CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, September 14, 1905.

CONTENTS.

CONSTRUCTION NEWS:
List of Contracts Pending 83
Railroads 84
Electric Railways 84
Light and Power Plants 84
Bridges 85
Buildings 85
Water Supply and Irrigation 86
Sewerage 86
Streets and Roads 87
Manufacturing Plants 88
Miscellaneous Contracts 88
Foreign Contracts 89
Contract Prices 89
Mexico 89
READERS' WANTS 88
INDUSTRIAL NOTES 90
PROPOSALS 90

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close Sept.	Work.	Place.	On file.	See issue.
*15	Boilers..Garrett, Ind.	P. & S.		9-14
16	Hoist..Washington, D. C.	S.		8-10
*18	Ditch work..Council Bluffs, Ia.	S.		8-31
18	Intake..Albany, N. Y.	P. & S.		9-14
*20	Wash borings..New York, N. Y.	S.		9-17
23	Dredging..Washington, D. C.	S.		9-7
*27	Pipe sewers..Haddonfield, N. J.	P. & S.		8-31
*29	Filters, basins, etc..Cincinnati, O.	P. & S.		8-31
Oct.				
*3	Bridge..Natchitoches, La.	P. & S.		8-31
*4	Paving..Steelton, Pa.	P. & S.		8-31
*16	Water-works..Rolla, Mo.	P. & S.		9-14

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS

Sept. 15. Electric light plant, Lagrange, Ga. ..... Sept. 7
Sept. 15. Electric system, Warren, Pa. ..... Sept. 14
Sept. 15. Boilers, Garrett, Ind. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Sept. 18. Electric light system, Fort Myer, Va. ..... Sept. 7
Sept. 25. Street lighting, Knoxville, Tenn. ..... Sept. 14
Sept. 25. Electric light plant, Reading, O. ..... Sept. 7
Advertised, Engineering News, Sept. 7 and 14.
Sept. 27. Wiring, Baltimore, Md. ..... Aug. 31
Sept. 30. Power plant, etc., Washington, D. C. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 21.
Oct. 4. Lighting system, Ft. Leavenworth, Kan. ..... Sept. 14
Nov. 1. Generators, etc., Los Angeles, Cal. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Nov. 2.
Dec. 2. Water power, Porto Rico ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 14.
No date. Gas plant, Valdosta, Ga. ..... Aug. 31

BRIDGES.

Sept. 11. Culvert, Circleville, O. ..... Sept. 7
Sept. 14. Flooring, Columbus, O. ..... Aug. 31
Sept. 15. Bridge, Delaware, O. ..... Sept. 7
Sept. 15. Bridge abutments, New Philadelphia, O. ..... Sept. 7
Sept. 16. Bridge, New Philadelphia, O. ..... Sept. 7
Sept. 16. Bridge, Mountainhome, Idaho ..... Sept. 7
Sept. 16. Concrete bridge, Washington, D. C. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 16. Bridge, Covington, Ind. ..... Sept. 14
Sept. 18. Bridge, Winona, Minn. ..... Sept. 7
Sept. 18. Bridge, Galveston, Tex. ..... Sept. 14
Sept. 18. Bridges, Indianapolis, Ind. ..... Sept. 14
Sept. 18. Bridges, steel, Virginia City, Mont. ..... July 20
Sept. 19. Bridge, Upper Sandusky, O. ..... Sept. 7
Sept. 20. Bridge, Independence, Mo. ..... Sept. 14
Sept. 20. Bridge, Portage, Wis. ..... Sept. 14
Sept. 20. Bridges, Cincinnati, O. ..... Sept. 14
Sept. 22. Steel trestles, Wheeling, W. Va. ..... Aug. 31
Sept. 23. Concrete arch, Bluffton, Ind. ..... Sept. 14
Sept. 23. Culvert, Cleveland, O. ..... Sept. 14
Sept. 25. Bridge, Washington, D. C. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 28.
Sept. 26. Bridge, Mankato, Minn. ..... Sept. 14
Sept. 29. Bridges, Springfield, O. ..... Sept. 7
Sept. 30. Bridges, Porto Rico ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 21.
Oct. 1. Bridge, steel, Pensacola, Fla. ..... Aug. 24
Oct. 1. Steel bridge, Jefferson City, Mo. ..... Sept. 14
Oct. 2. Bridge, Peoria, Ill. ..... Sept. 14
Oct. 2. Bridge, Port Orchard, Wash. ..... Aug. 31
Oct. 3. Bridge, Natchitoches, La. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 28.
Oct. 4. Bridge substructure, Chicago, Ill. ..... Aug. 10
Advertised, Eng. News, Aug. 10.
Oct. 4. Bridge superstructure, Chicago, Ill. ..... Aug. 10
Advertised, Eng. News, Aug. 10.

BUILDINGS.

Sept. 14. Buildings, Shawnee, Okla. ..... Aug. 24
Sept. 14. Hotel, Little Rock, Ark. ..... July 6
Sept. 15. Office building, Hartford, Conn. ..... Sept. 7
Sept. 15. Mfg. plants, Wilmington, Del. ..... Sept. 7
Sept. 15. Vestibules, etc., Ft. Totten, N. Y. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 21.
Sept. 15. Buildings, Independence, Cal. ..... Aug. 31
Sept. 16. Cold storage plant (Mfg. Plants), Cleveland, O. ..... Sept. 7
Sept. 18. Buildings (Mfg. Plants), St. Louis, Mo. ..... Sept. 7
Sept. 18. Electric lighting, Washington, D. C. ..... Sept. 7
Sept. 18. Building, Duluth, Minn. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 21.
Sept. 19. Capitol building, Bismarck, N. Dak. ..... Aug. 24
Sept. 19. Electric wiring, Toledo, O. ..... Sept. 7
Sept. 19. Library, Williamsport, Pa. ..... Sept. 14
Sept. 20. Church, St. Louis, Mo. ..... Sept. 14
Sept. 20. Plumbing, etc., Boston, Mass. ..... Sept. 14
Sept. 20. Church, Beaumont, Tex. ..... Sept. 7
Sept. 20. Buildings, Jocko, Mont. ..... Aug. 31
Sept. 22. Steel storehouse, New York, N. Y. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 22. School, Oneida, Wis. ..... Aug. 31
Sept. 25. Office building, Dallas, Tex. ..... Sept. 7
Sept. 25. Hotel, Monmouth, Ill. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Sept. 26. Elevators, Baltimore, Md. ..... Sept. 7
Sept. 27. Electric wiring, Baltimore, Md. ..... Sept. 7
Sept. 28. Heating and ventilating, Baltimore, Md. ..... Sept. 7
Sept. 28. Buildings, Cheyenne Agency, S. Dak. ..... Aug. 31
Sept. 28. Heating, etc., Baltimore, Md. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 30. Building, Washington, D. C. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to Oct. 5.
Oct. 2. Court-house, Rosedale, Miss. ..... Sept. 14
Oct. 2. Laundry (Mfg. Plants), Hoyt, Kan. ..... Sept. 14
Oct. 4. Building, etc., Ft. Riley, Kan. ..... Sept. 14
Oct. 4. Light Fixtures, Ft. Leavenworth, Kan. ..... Sept. 14
Oct. 5. Court-house, Manhattan, Kan. ..... Sept. 14
Oct. 5. Buildings, Browning, Mont. ..... Sept. 14
Oct. 7. Building, Shreveport, La. ..... Aug. 24
Oct. 12. Building, Fargo, N. Dak. ..... Sept. 7
Advertised, Engineering News, Sept. 7 and 14.
Oct. 16. Court-house, Gretna, La. ..... Sept. 14
No date. Building materials, etc., Breen, Colo. ..... Sept. 14

WATER SUPPLY AND IRRIGATION.

Sept. 14. Pumping machinery, Columbus, O. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Sept. 14.
Sept. 15. Pipe, tank and trestle, Fort Myer, Va. ..... Aug. 31
Sept. 15. Pipe laying, Cincinnati, O. ..... Aug. 24
Sept. 16. Tower and tank, Montgomery, Minn. ..... Sept. 7
Sept. 18. Intake, Albany, N. Y. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Sept. 18. Intake, Albany, N. Y. ..... Sept. 7
Sept. 18. Water pipe, Victoria, B. C. ..... Aug. 17
Sept. 19. Conduit, Washington, D. C. ..... Sept. 14
Sept. 19. Pumps, hydrants, etc., Toronto, Ont. ..... Aug. 3
Advertised, Eng. News, Aug. 3 to Aug. 24.
Sept. 19. Pumping engine, Burlington, N. J. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 21.
Sept. 20. Concrete reservoir, Garfield, N. J. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Sept. 21. Filtration gallery, Columbus, Ind. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Sept. 21. Pumping plant, Galveston, Tex. ..... Aug. 24
Advertised, Eng. News, Aug. 24 and 31.
Sept. 23. Intake tunnel, Chicago, Ill. ..... Sept. 7
Advertised, Engineering News, Sept. 7 and 14.
Sept. 25. Water-works, Cranbury, N. J. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 25. Dam, pipe line, etc., Danbury, Conn. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 26. Water-works, Bowd, Man. ..... Sept. 14
Sept. 28. Water tank, Vancouver Barracks, Wash. ..... Aug. 31
Sept. 28. Boiler, pump, etc., Floresville, Tex. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 29. Filters, reservoirs, etc., Cincinnati, O. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 21.
Oct. 3. Water and sewer system, Wash., D. C. ..... Sept. 7
Oct. 5. Piping, Peru ..... Aug. 17
Oct. 10. Purification works, Toledo, O. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 12.
Oct. 11. Pipe and castings, Portland, Ore. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 28.
Oct. 11. Water main, Portland, Ore. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 28.
Oct. 16. Water system, Rolla, Mo. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Oct. 18. Water-works, etc., Milledgeville, Ga. ..... Sept. 14
Oct. 23. Water-works, electric plant, India ..... Aug. 24
Oct. 24. Water-works, Ciudad Juarez, Mexico ..... Sept. 14
Oct. 26. Dam, canals, etc., Belle Fourche, S. Dak. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to Nov. 2.
Dec. 5. Yellowstone dam, Billings, Mont. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 26.

SEWERAGE.

Sept. 14. Sewer system, Shawnee, Okla. ..... Aug. 24
Sept. 14. Sewers, Reading, Pa. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 15. Sanitary sewers, Ft. Worth, Tex. ..... Aug. 31
Sept. 15. Sewer, Rushford, Minn. ..... Sept. 7
Sept. 15. Sanitary sewer, Columbus, O. ..... Sept. 7
Sept. 15. Sewer, St. Louis, Mo. ..... Sept. 7
Sept. 18. Sewage, Carroll, Ia. ..... Sept. 7
Sept. 18. Sewers, Indianapolis, Ind. ..... Sept. 7
Sept. 18. Sewers, San Luis Obispo, Cal. ..... Sept. 14
Sept. 18. Sewer, Goshen, Ind. ..... Sept. 14
Sept. 19. Sewers, New York, N. Y. ..... Sept. 14
Sept. 19. Sewers, Niagara Falls, N. Y. ..... Sept. 7
Sept. 20. Sewers, Salem, O. ..... Aug. 31
Sept. 20. Sewer, Marion, O. ..... Sept. 14
Sept. 21. Sewer, Cincinnati, O. ..... Sept. 7
Sept. 22. Sewers, Cincinnati, O. ..... Sept. 7
Sept. 25. Sluice gates, Washington, D. C. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 26. Sanitary sewer, Virginia, Minn. ..... Sept. 14
Sept. 26. Sewage pumping station, Dayton, O. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 27. Sewers, Haddonfield, N. J. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 30. Sewers, Boston, Mass. ..... Sept. 14
Oct. 1. Sewer, Springfield, Minn. ..... Sept. 14
Oct. 2. Sewers, etc., Crescent, Ia. ..... Sept. 14
Oct. 3. Sewer mains, No. Platte, Neb. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Oct. 4. Sewer and pump. station, Salt Lake City ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 5.
Oct. 4. Gravity outlet sewer, Salt Lake City ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 5.
Oct. 10. Sewers, Norristown, Pa. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to Oct. 5.
Oct. 16. Sewer system, Cape Girardeau, Mo. ..... Sept. 14

STREETS AND ROADS.

Sept. 14. Gravel roads, Brazil, Ind. ..... Sept. 7
Sept. 15. Roads, Brownstown, Ind. ..... Aug. 31
Sept. 15. Road, Cincinnati, O. ..... Aug. 24
Sept. 16. Stone road, Ottawa, O. ..... Sept. 7
Sept. 18. Paving and curbing, Lima, O. ..... Aug. 31
Sept. 18. Paving, Willoughby, O. ..... Aug. 31
Sept. 18. Road, Napoleon, O. ..... Aug. 31
Sept. 18. Paving, Carlisle, Pa. ..... Sept. 14
Sept. 18. Sidewalks, Columbus, O. ..... Sept. 14
Sept. 18. Macadamizing, Oakland, Cal. ..... Sept. 14
Sept. 19. Macadam road, Wilmington, Del. ..... Sept. 14
Sept. 19. Sidewalk, Henderson, Ky. ..... Sept. 14
Sept. 19. Brick paving, Sterling, Ill. ..... Sept. 14
Sept. 19. Paving, New York, N. Y. ..... Sept. 14
Sept. 20. Paving, Oakmont, Pa. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Sept. 20. Planking road, Vancouver Barracks, Wash. ..... Sept. 14
Sept. 20. Roads, etc., Ft. Sheridan, Ill. ..... Sept. 14
Sept. 20. Paving, Freeport, Ill. ..... Sept. 14
Sept. 22. Stone, Madisonville, O. ..... Sept. 7
Sept. 22. Paving, Iowa City, Ia. ..... Sept. 14
Sept. 25. Paving, Niles, Mich. ..... Sept. 14
Sept. 26. Road, Concord, N. H. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 26. Paving, Cleveland Heights, O. ..... Sept. 7
Sept. 27. Macadamizing, Cincinnati, O. ..... Sept. 14
Sept. 28. Sidewalks, brick, Roanoke, Va. ..... Sept. 14
Sept. 30. Road, Cleveland, O. ..... Sept. 14
Oct. 2. Paving, brick, Macon, Mo. ..... Sept. 14
Oct. 2. Paving, asphalt, Johnstown, N. Y. ..... Sept. 14
Oct. 3. Paving, Columbus, Ga. ..... Sept. 14
Advertised, Eng. News, Sept. 14.
Oct. 4. Paving, Steelton, Pa. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 21.
Nov. 1. Paving, Steelton, Pa. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 5.

MISCELLANEOUS CONTRACTS.

Sept. 14. Light-house, Tompkinsville, N. Y. ..... Aug. 10
Advertised, Eng. News, Aug. 10 and 17.
Sept. 14. Levee, England, Ark. ..... Aug. 31
Sept. 14. Dredging, New York, N. Y. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 14. Jetty work, Newport, R. I. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 14. Telegraph boxes, engines, N. York, N. Y. ..... Sept. 7
Sept. 14. Dam repairs, Albany, N. Y. ..... Sept. 7
Sept. 15. Tile drain, Boone, Ia. ..... Aug. 31
Sept. 15. Canal excavation, Chattanooga, Tenn. ..... Aug. 17
Advertised, Eng. News, Aug. 17 to Sept. 14.
Sept. 16. Hoist, Washington, D. C. ..... Aug. 10
Sept. 18. Street sweeping machine, Sherman, Tex. ..... Sept. 7
Sept. 19. Cable, tools, motors, etc., Wash., D. C. ..... Sept. 7
Sept. 19. Fence, Chicago, Ill. ..... Sept. 14
Sept. 19. Tools, boilers, etc., Washington, D. C. ..... Aug. 24
Sept. 19. Drainage ditch, Council Bluffs, Ia. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 21.
Sept. 19. Retaining walls, Hartford, Conn. ..... Aug. 31
Advertised, Eng. News, Aug. 31 and Sept. 7.
Sept. 19. Electr'l supplies, steel, etc., Wash., D. C. ..... Sept. 7
Sept. 20. Wash Borings, New York, N. Y. ..... Sept. 7
Advertised, Eng. News, Sept. 7 and 14.
Sept. 20. Dredges, Chile ..... Aug. 24
Sept. 20. Pier work, Grand Rapids, Mich. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 28.
Sept. 20. Rock excavation, Newport, R. I. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 21.
Sept. 22. Cobblestone, New York, N. Y. ..... Sept. 14
Sept. 22. Steel trestles, Wheeling, W. Va. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Sept. 28.
Sept. 22. Rolling mill, etc., Washington, D. C. ..... Aug. 31
Sept. 23. Dredging, Washington, D. C. ..... Sept. 7
Sept. 25. Pier, India ..... Aug. 24
Sept. 26. Elevators, Baltimore, Md. ..... Sept. 7
Sept. 26. Ditch, VanWert, O. ..... Sept. 7
Sept. 26. Tunnel, Montrose, Colo. ..... Aug. 10
Advertised, Eng. News, Aug. 10 to Sept. 21.
Sept. 26. Telephones and cable, Washington, D. C. ..... Aug. 31
Sept. 26. Portland cement, Billings, Mont. ..... Aug. 31
Advertised, Eng. News, Aug. 31 to Sept. 28.
Sept. 26. Fans, cable, brick, etc., Wash., D. C. ..... Sept. 14
Sept. 26. Boilers, Washington, D. C. ..... Sept. 14
Sept. 27. Police telephone system, Kearney, N. J. ..... Sept. 7
Advertised, Eng. News, Sept. 7.
Sept. 29. Dredging, New York, N. Y. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Sept. 30. Wire fence, Denver, Colo. ..... Sept. 14
Sept. 30. Track extension, Washington, D. C. ..... Sept. 7
Sept. 30. Portland cement, Los Angeles, Cal. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to 28.
Oct. 3. Machine tools, Washington, D. C. ..... Aug. 24
Oct. 3. Bricks, blower, etc., Washington, D. C. ..... Sept. 7
Oct. 4. Pier extension, Grand Rapids, Mich. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to Oct. 5.
Oct. 6. Dump boat, Wheeling, W. Va. ..... Sept. 14
Oct. 9. Dredging, Portland, Me. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 12.
Oct. 10. Cement, New York, N. Y. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 12.
Oct. 10. Machinery, Washington, D. C. ..... Sept. 7
Oct. 10. Harbor works, Egypt ..... Aug. 17
Oct. 11. Pier work, Grand Rapids, Mich. ..... Sept. 14
Advertised, Eng. News, Sept. 14 to Oct. 12.
Oct. 17. Earth embankment, Roswell, N. Mex. ..... Aug. 24
Advertised, Eng. News, Aug. 24 to Oct. 5.
Oct. 25. Concrete dock, Chicago, Ill. ..... Sept. 7
Oct. 25. Wharf, etc., California City Point, Cal. ..... Sept. 14
Advertised, Eng. News, Sept. 14 and 21.
Nov. 1. Lock, dam, etc., Chicago, Ill. ..... Sept. 7
Advertised, Eng. News, Sept. 7.
Nov. 6. Garbage disposal, New York, N. Y. ..... Sept. 7
Advertised, Eng. News, Sept. 7 to Nov. 9.
Nov. 9. Wharf, etc., Havana, Cuba ..... July 27
Dec. 1. Railroads, Philippines ..... Sept. 7
Jan. 1. Statue, Indianapolis, Ind. ..... July 20
Advertised, Eng. News, July 20.
Jan. 2. Railroad, Chile ..... Aug. 24

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ALBEMARLE & SOUTHERN.—This company is securing right of way for its projected line from Charlottesville Va., to Keysville, Va.

AUGUSTA & ELBERTON.—A meeting of the stockholders of this road was held Sept. 9 at Lincolnton, Ga., at which it was said an entirely new proposition was submitted for building the road. The proposed road has been discussed for the past 50 years, and it is said that unless the present company builds and equips a section of the line its charter will soon expire. Bruce Young is Pres., and F. T. Lockhart is Secy.

BEAUMONT, SOUR LAKE & WESTERN.—Preliminary surveys are said to be now under way for the extension of this road from Houston to Sour Lake.

BAY SHORE & PACIFIC.—This company has been incorporated to construct a railway along the shore of San Diego Bay to Old Town, Pacific Beach, and La Jolla with branches on to Point Loma, a distance of 30 miles in all. H. C. Richrds, C. R. Hammond, W. M. Crouse, of San Diego, Cal., are incorporators.

BALTIMORE & OHIO.—Plans and specifications have been completed for the construction of a new line from Pittsburg, Pa., to Ellwood City, 45 miles. The new road will follow a course about six miles shorter than the present line between the two places named above. The road is to be double tracked, built on heavy, substantial roadbed and equipped with the standard steel rails. All the bridges and culverts will be of steel and concrete. Paul Didier, District Engineer, Allentown, Pa., will superintend the construction.

BALTIMORE & OHIO.—The directors of this road have authorized the expenditure of an additional $7,000,000 for improvements. The total work in progress calls for the expenditure of more than $25,000,000. Of the $7,000,000 just authorized, $750,000 will be spent for preliminary work in eliminating grade crossings in Baltimore and in the work of rehabilitation made necessary by the great fire. Facilities at Philadelphia will be increased by the expenditure of $650,000. More than $1,000,000 will be spent in and around Pittsburg. The greater part of the money authorized at the recent meeting will be used in double tracking and otherwise improving the road from Pittsburg west.

CINCINNATI, HAMILTON & DAYTON.—Eugene Zimmerman, President of this road, has announced that the company will build a line from Ashland, Ky., into Pike, Knot and Letcher Counties, Kentucky, to develop coal lands. The line would be about 125 miles long. It is also said to be the purpose of the company to finally secure a through route to Charleston, S. C., by building further southward, by connecting up existing roads and by making traffic arrangements. About 200 miles of new line will have to be constructed to do this.

CHICAGO GREAT WESTERN.—According to press reports from Chicago this road is about to commence the construction of a line to Sioux City. According to the present plans it is proposed to build from Talmage, Ia., on the Kansas City Branch, to Creston, Ia., and from that place to use the former right-of-way of the Burlington, vacated by it when double tracks were laid on a new right-of-way between those points.

CAIRO & TENNESSEE RIVER.—This road has had preliminary surveys for its line completed from Wickliffe, Ky., to Cumberland Gap, Ky., 300 miles, and the line is now being located from Mayfield to Hopkinsville, Ky., 70 miles. Contracts for the section between Wickliffe and Mayfield were to be let about Sept. 15. The projected length of the road is 425 miles, and when completed it will extend from Wickliffe to Bristol, Tenn. The construction work, according to L. W. Goode, 111 Broadway, New York, Pres. of the railroad, will be carried on by the Atlantic & Cairo Construction Co., of New Jersey. Chas. H. Delano, Wickliffe, Ky., is Gen. Mgr. of Construction.

DANVILLE BELT RY.—This road has been incorporated to build an eight mile belt road in Danville, Ill. E. C. Ritcher, W. T. Abbott and Fred. Kraft are directors.

ERIE.—Arrangements are stated to have been perfected for the construction of a single-track line paralleling the main line between Lakewood at the foot of Chautauqua Lake, westward to Watts Flats, a distance of 15 miles. From that point west to Columbus, Pa., a distance of about ten miles, a double-track line will be built to take the place of the existing main line, reducing a 35-ft. grade to a .210% grade. The improvement will cost approximately $1,000,000.

GALVESTON, HARRISBURG & SAN ANTONIO.—The contract for building extension of San Antonio Gulf Division from Stockdale to Cuero, Tex., 47 miles, has been let to W. O. ROBINSON, San Antonio, Tex. A. V. Kellogg, Houston, Tex., is Engr. M. W.

GALVESTON TERMINAL CO.—Charter has been filed; it provides for construction of terminal road of "Frisco" system in Galveston, Tex. Samuel Lazarus, St. Louis, Mo.; M. Marx, and Chas Fowler, Galveston, are among incorporators.

GAINESVILLE & GULF.—A Gainesville, Fla., report quotes A. P. Stuckey, of Ocala, Fla., vice-Pres. of this road, as stating that preliminary surveys were to be begun at once for an extension from Fairfield to Tampa, Fla., 105 miles.

JONESBORO, LAKE CITY & EASTERN.—An amendment to the charter of this company has been filed, whereby capital stock is increased from $225,000 to $525,000. The increase is to be used for building a 20-mile branch line from Dell, Ark., through Osceola and Luxora. J. E. Jones, Jonesboro, Ark., is Pres.

KANSAS CITY, MEXICO & ORIENT.—A reconnoisance has been completed of the proposed line which this road proposes to build from San Angelo, Tex., to Del Rio. M. P. Paret, Kansas City, Mo., is Ch. Engr.

LAKE SHORE & MICHIGAN SOUTHERN.—It is reported that this road will, within the next 60 days, put out a bond issue of $15,000,000, the money to go into the construction of extensions to the lines, mostly in the way of additions to the four-tracking of the road, although a good portion will be spent in terminal improvements at Chicago and a part in the construction of a line connecting the Big Four and the Lake Shore.

NORFOLK COUNTY R. R.—Incorporated with $5,000 capital stock to operate short railway line in Norfolk County, Va. A. P. Warrington, Secy., Norfolk, Va.

PORTSMOUTH, GALLIPOLIS & COLUMBUS.—This road has been incorporated, with $10,000 capital, to construct a line from Portsmouth to Gallipolis, and thence to Columbus, O., with a branch from Minnerton to Wellston, O. E. B. Bingham, J. L. Gilbert and S. V. Gelsson are interested.

PELHAM, BAINBRIDGE & GULF.—Chartered to construct a railroad 52 miles long from Pelham, Ga., through Bainbridge to Fairchilds, Ga., on the Chattahoochee River. Ultimately, it is said, the road will be extended to some point on the Gulf Coast. J. L. Hand, J. W. Everett and D. C. Barrow, of Pelham, Ga., are among the incorporators.

SWAN CREEK.—Nashville, Chattanooga & St. Louis Ry. Co., H. McDonald, Ch. Engr., Nashville, Tenn., which recently bought this road, is having surveys made for an extension of several miles.

SOUTH & WESTERN RY.—M. J. Caples, Gen. Mgr., Bristol, Va.-Tenn., writes us that it is intended to let certain sections of the proposed new line in about two weeks. The road is now under construction, and will, when completed, have a total length of 300 miles of main line. Between two and three thousand men employed by the company are now at work grading and building some masonry. The company has also twenty-three engineering parties in the field.

SOUTHERN.—Contract for double tracking this road between Morristown and Knoxville, Tenn., and building a branch line from Chattanooga to Stephenson, Tenn., is stated to have been let to SANDS & OLIVER, Roanoke, Va. The contract is said to amount to about $1,000,000.

WICHITA VALLEY.—Surveys are stated to have been begun on the projected extension of this road from Seymour, Tex., to Abilene, via Munday, Haskell and Stamford. M. Jones, Fort Worth, Tex., is Pres. and Gen. Mgr.

YELLOWSTONE PARK R. R.—Incorporated, with $3,000,000 capital stock, and proposes to build a 125-mile railway beginning at Bridger Canyon, Mont., with terminus at Cooke City, Mont. Lewis Burleigh, S. M. Mumma, Joseph Williamson and I. L. Fairbanks, are interested in this company, as well as in the Western Development Co., which was incorporated at the same time with $1,000,000 capital for the purpose of building railroads. Principal place of business of both corporations is Augusta, Me.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

NORWAY, ME.—State Railroad Commissioners have granted a charter for an electric or steam railroad to extend from this place to East Stoneham with a branch to South Waterford. The route has been surveyed.

FITCHBURG, MASS. — Aldermen have granted franchise to Fitchburg & Princeton Street Ry. Co., E. S. Douglas, Clk., and it is said that construction will be started soon.

LOWELL, MASS.—Plans are reported as being perfected for a new electric line between this city and Boston, the route of which is to be over private lands from Sullivan Sq., Charlestown District, Boston, to Towers Corner, Lowell. The road is to be double-tracked and built so as to allow a running schedule of 57 minutes between the two cities. With this end in view 42 bridges and two tunnels, one of these 729 ft. long in Billerica Center, will be constructed. Chas. F. Remington, of Reading, Mass., and 50 Congress St., Boston, Mass., is reported to be promoting the project and interested with him are said to be Col. Butler Ames, Geo. M. Harrigan and Geo. W. Fifield of Lowell; Maj. Thomas Talbot and Frederick S. Clark, of North Billerica, and Oliver Ames, of Easton.

ELMIRA, N. Y.—The Elmira, Corning & Waverly Ry. has been incorporated with a capital of $2,500,000 to construct an electric road 37 miles long. Among the directors are Senator William J. Tully of Corning; G. Tracy Rogers, of Binghamton; A. N. Brodhead and Arthur C. Wade, of Jamestown, N. Y.

BINGHAMTON, N. Y.—G. S. Leavenworth, Troy, N. Y., is stated to have completed surveys for the electric road between this city and Owego, and it is also said that track laying will be commenced this fall if there is no opposition to acquiring right-of-way. J. P. E. Clark, Binghamton, may be able to give information.

BUFFALO, N. Y.—Right-of-way for 26 miles of the line for the Buffalo-Batavia branch of the Buffalo, Batavia & Rochester Electric Ry., Geo. L. Lewis, Pres., has been secured and it is expected that work on that branch will be commenced soon.

SYRACUSE, N. Y.—Syracuse Rapid Transit Ry. Co. has applied to the Common Council for permission to extend its tracks in the West End, so as to connect the West Genesee Division with the Solvay Division.

OLEAN, N. Y.—Tunesassa & Bradford R. R. Co., with $50,000 capital, has been incorporated to operate a street railroad five miles long. J. B. Wright and D. H. Miller, of Kane, Pa., and F. L. Bartlett, Olean, N. Y., are Directors.

NEW YORK, N. Y.—J. H. Flick & Co., sub-contractors under J. P. McDonald, who was lately awarded a $1,000,000 contract by the New York, Westchester & Boston Railway Co., is putting four steam shovels, a number of steam engines, and steam drills at work on the line of the road in the Bronx. Up to this time the construction work of the Westchester Co. has been carried on under temporary contracts. It will not be long before the road crosses the New York city line and enters Mt. Vernon. The company is under a $20,000 bond to spend at least $100,000 on construction in that city within a year, and to begin this work within 60 days. Capt. William A. Pratt, Chief Engr. of the company, has completed plans for bridges to be erected in the Bronx, and work is about to start on the masonry of bridges over White Plains Road, Allerton Ave., Wilson Ave.-Sawmill Lane, Wickham Ave. and 222d St. These bridges will all have heavy masonry abutments, the superstructure being of steel. Besides these plans, others are being prepared for a number of street crossings as fast as the city authorities decide on the openings.

TICONDEROGA, N. Y.—Village Trustees have granted franchise to Ticonderoga Union Terminal R. R. Co. The company, which has a capital of $50,000, proposes to construct an electric road between this place and Addison Junction. F. B. Gridley, Troy, N. Y., has been making the survey. N. R. Holmes, Troy, is interested.

DUBOIS, PA.—The Dubois Traction Co. will construct this fall an extension of the Dubois street railway southward to Sykesville.

MIDDLETOWN, PA.—We are advised that surveys have been made and right-of-way secured for line of Royalton & Elizabethtown Street Ry. Co.; capital for construction has been secured. Projected length is 18 miles and route is Middletown, Royalton, Elizabethtown, Rheems, Florin and Mount Joy. Wm. Trimble, Philadelphia, Pa., is Pres.; E. M. Raymond, Middletown, is Gen. Mgr.

WAYNESBURG, PA. — Washington, Waynesburg & Monongahela Ry. Co. has been organized by local capitalists to build a trolley line between Washington and Waynesburg.

WASHINGTON, PA.—A company has been organized here to build an electric line from this place to Claysville. D. M. Clark, J. R. Kuntz and W. P. Chambers are interested.

WHITEHALL, PA.—Whitehall Street Ry. Co. has applied for a charter. The line is to run from Fairhaven through Wymans Run and private properties to Whitehall, near the Brownsville Road. From there the line will follow Brownesville Road to Lick Run and along Lick Run to Curry. J. H. Milholland, C. E., 326 Fourth Ave., Pittsburg, Pa., is said to be one of the incorporators.

BALTIMORE, MD.—Baltimore & Frederick Electric Ry. Co., James E. Ingram, Jr., Pres., is stated to have secured practically all of its right-of-way. Location surveys are said to have been completed, and construction work may be commenced within 30 days. The road will be 51 miles long, connecting this place and Frederick, and will be built for high speed. The above company has purchased the Frederick & Middletown Electric Ry., and will develop Braddock Heights as an excursion resort.

ALBERTVILLE, ALA.—The North Alabama Railway, Light & Power Co., with $100,000 capital, has been incorporated, and proposes, it is stated, to build an electric railway from High Falls, near South Hill, to Albertville, Boaz and on to Oneonta; also to supply Albertville, Guntersville and Boaz with electric lights. J. G. Elrod is Pres.; T. B. McNaron, Treas., and W. M. Coleman, Secy..

MONTGOMERY, ALA.—The Council on Sept. 4 opened bids for franchises for street railways in this city. The Montgomery Street Ry. Co. bid for franchises on Jefferson Davis Ave., and Alabama St.

NASHVILLE, TENN.—The Nashville Interurban Ry. Co., which recently acquired the rights and franchises of the Nashville & Columbia Electric Ry. Co. and the Nashville & Gallatin Ry. Co., will at once begin the construction of that portion of its lines between Nashville and Franklin, Tenn., a distance of 21 miles. The company is considering the use of the internal combustion engine for the operation of its cars. Charles S. Brown is Consult. Engr.

MT. STERLING, KY.—Work on right-of-way will be begun shortly for projected 25-mile line which the Blue Grass Traction Co., Younger Alexander, Pres., Lexington, Ky., proposes to build between this place and Paris.

BARBERTON, O.—We are informed that right-of-way is nearly all secured for line of Barberton, Wadsworth & Western Traction Co., and that capital for construction is now being negotiated for. Projected length is 43 miles and route is Barberton, Wadsworth, Rittman, Sterling, Creston, Burbank, West Salem and Ashland. Byron M. Clen Dening, Cincinnati, O., is Pres.; J. Edw. Collins, Barberton, O., is Ch. Engr.

NEW ALBANY, IND.—Louisville, New Albany, French Lick & West Baden Interurban Co. has been formed with $10,000 capital, for the purpose, it is said, of controlling street car lines in New Albany, Louisville, French Lick and West Baden, and to build an electric line from New Albany to French Lick, 50 miles. The principal office will be at New Albany, and among the directors are L. C. Davis, John F. Finley, George B. Dewess, B. H. Cravens and Thomas Taggart.

CHICAGO, ILL.—A syndicate is reported to have been formed by Wm. S. Reed, First National Bank Bldg., Chicago, which has purchased the Chicago Electric Traction Co. and has organized two other companies which will complete the gaps which now bar a continuous ride on electric roads between New York and Chicago.

ROODHOUSE, ILL.—We are advised that capital for construction of Roodhouse and Virden Ry. has not yet been secured. Jas. A. Fletcher, Modesto, Ill., is interested. It is proposed to build electric railroad from this place through Scottville and Modesto to Virden.

DES MOINES, IA.—We are advised that the Des Moines-Creston interurban road is still in its promotion stage. It is likely that promotion company will be organized within the next 30 days. A. E. Park, Des Moines, can supply further information.

FORT WORTH, TEX.—[illegible] are informed that nothing definite has [illegible] concluded as yet for electric railway [illegible] this place to Mineral Wells, 52 miles, [illegible] enterprise is now being promoted. B[illegible] Paddock, Secy. Fort Worth Board of Tra[illegible] interested.

AUSTIN, TEX.—J. G. B[illegible] Secy. Austin Business League, wri[illegible] that they have been negotiating with sev[illegible] parties for the building of an interurban [illegible] from Austin to Lockhart. The matter [illegible] not yet settled and negotiations still pend[illegible]

SANTA CRUZ, CAL.—W[illegible] are informed that contract for constru[illegible] of first 14 miles of road south from Sa[illegible] Cruz for the Ocean Shore Ry. Co. has [illegible] let to the SAN FRANCISCO CONS[illegible]TION CO. Projected length of the r[illegible] 81 miles; surveys and right-of-way a[illegible] completed, and capital for construction [illegible] W. E. Dean, San Francisco, Cal., is Pres.; Jno. B. Rogers, San Francisco, Cal., is vice-Pres.; Alfred D. Bowen, San Fr[illegible] Ch. Engr.; Pres. and Gen. Mgr.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

PHELPS, N. Y.—Village will vote Sept. 15 on accepting bid of J. Q. How[illegible] Sons (present owners of franchise) for electric light ing for ensuing year. Bid amounts to $2,400 and is for 40 arc lights.

PHILLIPS CREEK, N. Y.—It is reported that an electric light plant will be installed here. B. W. Peck and Calvin Thompson are interested.

HARRISBURG, PA.—Mason B. Pratt, Harrisburg, is Consult. Engr. for the new power plant of Central Pennsylvania Traction Co.

WARREN, PA.—Bids are asked by S. B. Warren, Chn. Bldg. Com. State Hospital for the Insane, until noon, Sept. 15, for an electric lighting system, to include 100-HP. engine, one 62½-KW., 3-wire, two-voltage generator, gas engine, etc. W. E. Parker, Elec. Engr., Ellicott Sq., Buffalo, N. Y.

BALTIMORE, MD.—THE STEEL CONCRETE CONSTRUCTION CO. has been awarded contracts to build the foundations of the new power house on Pratt St. for the United Railways & Electric Co. The work will involve an outlay of about $8[illegible]

ALEXANDRIA, VA.—Council Committee on Light and Finance will probably open bids early in October for the electric light and power franchise in this city.

JACKSON, GA.—This city is stated to have voted to issue $39,000 of bonds for electric light plant and water-works.

CLEARWATER, FLA.—An election was held Sept. 5 to vote on granting electric light franchise to J. N. McClung. (P. O. of town is Clearwater Harbor.)

TROY, ALA.—Troy Gas Co., H. McKee, Pres., will receive bids for construction work about Oct. 1. It is proposed to expend about $50,000.

KNOXVILLE, TENN.—Bids are asked until noon Sept. 25 for lighting the streets of this city by electricity or gas, per lamp each, for not less than 300 lamps, for a term of 3, 5, 7 and 10 years. Wm. Epps, Chn. Bd. Pub. Wks.

HOPKINSVILLE, KY.—Samuel C. Crawford, St. Louis, has asked franchise to build and operate electric light and power plant and street railway system here, and council has passed ordinance ordering sale on Sept. 15 of such a franchise.

COLUMBUS, O.—The Ohio Fuel Supply Co. has let a contract for 60 miles of 18-in. pipe to be used in the construction of a new pipe line from its Ohio gas fields to Cincinnati. Close to $1,000,000 will be spent on the line.

COLUMBUS, O.—Proposals are asked by Board Public Service, Chas. H. Frank, Secy., until noon, Sept. 19 for sale and removal of old city electric light plant of 300 lamps capacity. This plant was in service until a few months ago, when the city ceased to operate it on account of starting its new plant of 2,000 lights.

ZANESVILLE, O.—J. S. Torbert, Stockport, O., was successful bidder for the use of water power from the Muskingum River dam at Stockport. The bids were opened recently in the office of Government Engineer Edward Moeser and the use of the water power was granted to Mr. Torbert. Mr. Torbert contemplates erecting a mill in the near future.

GARRETT, IND.—Bids are asked by Common Council, H. W. Thomas, Cy. Clk., until 7 p. m., Sept. 15, for furnishing and erecting 200-HP. horizontal tubular boiler; also for furnishing and erecting two 200-HP. horizontal tubular boilers. Said boilers are to be placed in city electric light and water plant. Specifications may be seen at offices of Engineering News, 220 Broadway, New York, and Monadnock Block, Chicago, Ill. (Advertised, Engineering News.)

FORT WAYNE, IND.—Bids were opened Sept. 1 by Fort Wayne & Wabash Valley Traction Co., C. D. Emmons, Gen. Mgr., for new $600,000 electric power station to be erected on Spy Run Ave. John Sneizer, Fort Wayne, was reported to be lowest bidder for the general construction work. The contract for the machinery was let some weeks ago.

CRAWFORDSVILLE, IND.—City Council will take steps for repairing of electric light plant and installation of new boilers. Ray Thomas is Supt. plant.

MARION, IND.—Marion Gas Co., L. A. Von Behren, Mgr., according to advices from this city, is to install an artificial gas plant of 1,500,000 cu. ft. capacity.

PERU, IND.—Municipal Lighting Plant Committee has reported that an expenditure of $30,000 would put plant in good condition.

VALPARAISO, IND.—Valparaiso Lighting Co., capitalized at $150,000, has been incorporated. C. H. Geist, C. B. Kelsey and H. W. Noble are directors.

BAY CITY, MICH.—Rifle River Power Co., George Silsby, Pres., Saginaw, Mich., has secured concessions from Arenac and Oge-

maw Counties for the construction of dams on Rifle River, and is stated to have awarded contract for their construction to H. VON SHON.

NELLSVILLE, WIS.—CENTRAL CONSTRUCTION CO., Eau Claire, Wis., is stated to have secured $15,000 contract for construction of electric light plant for this city.

VALLEY JUNCTION, IA.—This city has voted on granting franchise to Capital City Gas Co. to supply gas.

FORT LEAVENWORTH, KAN.—Bids are asked until 11 a. m., Oct. 4, for extending electric lighting system at this post. Capt. J. E. Normoyle, Q. M.

TOPEKA, KAN.—A syndicate headed by Emmett E. Roudebush is reported to have made offer to Council looking to purchase of city electric light plant.

LARAMIE, WYO.—W. E. Sterne, Denver, Colo., representing Alfred E. Kalter, Indianapolis, Ind., who recently secured lighting franchise here, is stated to have offered to purchase plant of Laramie Electric, Gas Light & Fuel Co. It is said that a new plant will be erected if a sale cannot be negotiated.

BIG TIMBER, MONT.—Electric light plant of Big Timber Light & Power Co., is reported to have been destroyed by fire. It is said that it will be at once rebuilt. Company has capital of $20,000 and J. W. Bailey, Big Timber, is Pres.

ABERDEEN, S. DAK.—Local parties who have incorporated a company to build and operate a street railway here are said to also contemplate furnishing heat, power and light.

FORT WORTH, TEX.—Consumers' Light & Heating Co., capital $100,000, has been chartered here to manufacture and supply gas and heat, electric and motor power. Winfield Scott, H. E. Edrington, E. D. Farmer, W. C. Stripling, M. D. Watson, R. C. Armstrong, Jr., and Geo. W. Armstrong, all of Fort Worth, are incorporators. At a recent election city voted to grant a franchise.

SILVER CITY, N. MEX.—Consumers' Light Co., recently granted electric light franchise here, will at once construct a plant, it is stated.

DRAIN, ORE.—The Skelley Lumber Co., it is said, will submit proposition to council providing for bringing water from Bear Creek and electric light wires from the Billy Creek mill for purpose of supplying the town with water and light.

PORTERVILLE, CAL.—The Columbia Oil Co., of Bakersfield, is considering the establishment of an electric power plant here.

OROVILLE, CAL.—Oro Water, Light & Power Co. has been incorporated by J. A. Kretschmer, R. C. Medcraft, and others. Capital, $3,500,000. Object, to manufacture and generate power, electric power and energy, etc. The incorporation is a combination of the Oroville Light & Power Co., Oroville Water Co., Lava Beds Co., and Dredging & Marigold Dredging Co.

SAN FRANCISCO, CAL.—San Francisco Coke & Gas Co. will probably at once lay an additional 20 miles of gas mains.

SAN LUIS OBISPO, CAL.—R. B. Davis, Los Angeles, Cal., has asked franchise for installation of electric lighting and telephone system in this city.

LOS ANGELES, CAL.—Bids are asked by O. H. Ensign, Elec. Engr., U. S. Reclamation Service, Los Angeles, until 2 p. m., Nov. 1, for furnishing complete one or more a. c. 900-KW., 25-cycle generators, one or more 160-KW. d. c. generators for exciter and one switchboard containing one panel for generator and one panel for exciter, for use in Roosevelt power house, Salt River Project, Arizona. (Advertised, Engineering News.)

CORONA, CAL.—John Morton, Los Angeles, Cal., has applied for electric light and power franchise here.

ANAHEIM, CAL.—We are informed that matter of municipal electric plant for this city is in preliminary estimating stage. Bonds have not been voted. Est. cost is $40,000, and plant is to be operated by steam or gas engines. C. A. Copeland, Bradbury Bldg., Los Angeles, Cal., is Des. Engr.

RIALTO, CAL.—A. L. Selig, Mgr. of the Edison Electric Co., Los Angeles, has made proposition to furnish Rialto with electric lights. Offer is to extend wire of 10,000 volts from San Bernardino, the citizens to establish their own local operating company, furnishing wires, meters, transformers, etc. W. P. Martin and Kenneth MacRea are interested.

LOVELOCKS, NEV.—Town has voted $12,000 of bonds, $5,000 of which are stated to be for an electric light plant.

BLACKFOOT, IDAHO.—Construction of a power plant in the river, 17 miles from this place, is under consideration. Est. cost of the project is $100,000. Christian Just, Blackfoot, Idaho, and E. W. Wade, Ogden, Utah, are said to be interested.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

PORTLAND, ME.—We are informed that the contract for constructing bridge here over Fore River was let Sept. 8 to the NEW JERSEY BRIDGE CO., Fuller Bldg., New York City, for $339,555. The Bridge Co. is receiving sub-bids on lumber, masonry, concrete, etc.

BINGHAM, ME.—We are informed that the AMERICAN BRIDGE CO., 42 Broadway, New York City, has been awarded contract for bridge at Bingham. The work consists of one 300-ft. and one 177-ft. through pin-connected spans, with roadway 18 ft. wide in the clear.

WINOOSKI, VT.—The American Woolen Co. will build a concrete bridge, 40 ft. span, 12 ft. high, 16 ft. wide.

HAVERHILL, MASS.—It is reported that the city will erect a bridge in conjunction with County Commissioners, and that bids for the work will be advertised at once. Robt. R. Evans is Cy. Engr.

NORWICH, N. Y.—Severe rain storm has carried away many small bridges in towns of New Berlin, Columbus, North Norwich and Sherburne. Address E. F. Musson, Engr.

PITTSBURG, PA.—County Commissioners have awarded a contract for new bridge over Thompsons Run, at Turtle Creek. There were five bids on the superstructure and the PENN BRIDGE CO., of Beaver Falls, got the contract for $4,388, while on the masonry three bids were received and the contract went to FREDERICK WILSMAN for $4,500. Contracts were also let as follows: Reflooring bridge No. 2 over Little Deer Creek, to J. C. MARSHALL, $176; filling approaches to bridge No. 5, Flahertys Run, and bridge No. 10 Montour Run, to JOHN HIPPERT, JR., for $590 and $980, respectively.

ANTIETAM, MD.—We are informed that John T. Clarkson, of Hagerstown, was lowest bidder, at $1,250, for constructing bridge on Antietam battlefield, and will probably be awarded the contract. Capt. A. W. Butt, Q.-M., Washington, D. C.

MERIDIAN, MISS.—The Mobile & Ohio R. R. Co. is considering the building of a steel bridge across 27th Ave. R. V. Taylor, of St. Louis, Mo., is Gen. Mgr.

MEMPHIS, TENN.—It is reported that plans have been completed for a viaduct to be constructed over Illinois Central Ry. tracks at McLemore Ave. Cost, about $60,000. J. A. Omberg, Jr., is Cy. Engr.

BRISTOL, TENN.—It is stated that the Norfolk & Western Ry. Co., C. S. Churchill, Ch. Engr., Roanoke, Va., will erect a large iron bridge over the Mary St. crossing in North Bristol. The bridge will cost several thousand dollars.

CLEVELAND, O.—Bids are asked by County Commissioners until Sept. 23 for constructing masonry culvert in Euclid Township, and earth and rip-rap fill in Mayfield Township.

MOUNT BLANCHARD, O.—This (Hancock) county contemplates constructing a steel bridge here to cost $10,000. John O. Sutton, County Audr.; Elmer C. Moulton, Engr., both of Findlay.

CINCINNATI, O.—We are informed that proposals will be received by W. M. Duane, Supt. Construction of the Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., until 12 m. Sept. 20 for masonry construction in three double-track bridges across the Miami River, each consisting of five piers and two abutments and located upon the Cincinnati Division. Bids will be received upon these bridges collectively or severally.

NORWALK, O.—We are informed that the County Commissioners have awarded contracts for substructure and superstructure of bridge in Peru Township as follows: Substructure, HUGHES BROS., of Fremont, $875; superstructure, CANTON (O.) BRIDGE CO., $1,890. Bids were opened Sept. 7. J. H. Beattie, County Audr.

AKRON, O.—The County Commissioners will grant the petition of South Akron citizens for the building of Kenmore bridge. Steps looking toward its construction will be immediately taken.

CINCINNATI, O. — County Commissioners have awarded contract for lift bridge over canal at Benson St., Lockland, to the BRACKETT BRIDGE CO., of Cincinnati, for $20,000.

INDIANAPOLIS, IND.—Bids are asked by County Commissioners until Sept. 18 for construction of several culverts throughout the county. Also four bridges. John McGregor, Chn.

INDIANAPOLIS, IND.—The budget submitted to County Council by County Commissioners asks for an appropriation of $190,000 for a new White River bridge at 13th St.

COVINGTON, IND.—Jas. T. Bell, County Audr., informs us that bids will be received by County Commissioners until Sept. 16 for constructing a 107-ft. bridge.

BLUFFTON, IND.—Bids are asked by County Commissioners until 2 p. m., Sept. 23, for constructing concrete arch in Liberty Township. C. S. Brineman, County Audr.

GRAND RAPIDS, MICH.—Contract for constructing Turner St. bridge over Indian Creek has been let to JOS. P. RUSCHE, at $6,280.

PORT HURON, MICH.—Reports state that the Common Council is arranging to at once build a new bridge over Black River at Military St., to cost about $65,000. W. W. Phillips is Cy. Engr. Previously noted.

MOUNT CLEMENS, MICH.—The HURON BRIDGE & IRON WORKS, of Port Huron, have been awarded contract for constructing the Gratiot Ave. bridge here over the Clinton River. Contract price is $7,480.

HERSEY, MICH.—The township has voted to issue $6,000 bonds to build a new bridge across the Muskegon River.

AURORA, ILL.—M. J. Tarbell, Engr., will prepare plans for two concrete and steel bridges, 60 × 70 ft. for the city. Cost, $50,000.

PEORIA, ILL.—It is stated that plans and specifications for new bridge will be received by the city until Oct. 2. C. M. Dolan is Cy. Engr.

BLOOMINGTON, ILL. — We are informed that the County Commissioners do not intend building bridge over Sangamon River as was erroneously stated in last issue.

CHICAGO, ILL.—C. D. Hill, Engr. for Bd. Local Imp., writes us in reference to Michigan Ave. bridge mentioned in last issue of Engineering News, that the plans for this bridge are being prepared as a preliminary to legal proceedings to widening Michigan Ave., from Randolph St. to Chicago River, and to widening and extending Pine St., from Chicago River to Ohio St., with a connecting bridge. This proposed improvement is a part of general scheme to connect boulevard systems of North and South Sides of the city. The proposed boulevard approaches to bridge would be 125 ft. wide with roadway 75 ft. wide. The connecting bridge will be 77 ft. wide with roadway 45 ft., and will have a clear span between protection piles of 220 ft., the distance between trunnions being 270 ft. Structure will be trunnion bascule bridge type. It is roughly estimated that the cost of the bridge and approaches would be $1,250,000. Since there are some novel legal proceedings connected with this matter the question of letting contracts is rather problematical. It will probably require a year to settle all legal questions involved, so as to be in shape to let the contract.

PORTAGE, WIS.—Sealed proposals will be received by Common Council until 7.30 p. m., Sept. 20 for construction of substructure of highway bridge across Wisconsin River, consisting of three concrete piers and two concrete abutments. L. P. Wolff, Consult. Engr., St. Paul, Minn.; M. J. Downey, Chn. Bridge Com.

FORT MADISON, IA.—M. E. Bannon, County Bridge Engr., informs us that the contract for 17 new steel bridges, ranging from 60 to 170-ft. spans, and the reconstruction of ten old ones, has been let to the MINNEAPOLIS (Minn.) STEEL & MACHINERY CO.

MANKATO, MINN.—Bids are asked by County Commissioners until Sept. 26 for constructing a steel bridge with stone piers over Hughes Creek in Cambria Township. Ed. Weaver, County, Audr.

CONCORDIA, KAN.—County Commissioners have rejected all bids received for removal of new bridge here. Nothing further will be done at present.

WICHITA, KAN.—The County Commissioners have announced their intention to build two pile bridges and one steel bridge in this county, at a total cost of $4,400. C. N. Cartwright, County Clk.

JEFFERSON CITY, MO.—Bids are asked by Jas. H. Jones, Russelville, Mo., until Oct. 1 for building steel bridge over Coon Creek. F. W. Roer, County Clk.

INDEPENDENCE, MO.—Bids are asked by County Commissioners until Sept. 21 for constructing one 80-ft. steel approach to Indian Creek bridge on Wormall Road. Oscar Koehler, Rd. and Bridge Comr.

MEOSHO, MO.—We are informed that contract for erecting bridge over Indian Creek Road, bids for which were opened Sept. 4, has been let to the MIDLAND BRIDGE CO., of Kansas City, at $3,249. John M. Sherwood, Bridge Comr.

INDEPENDENCE, MO.—Reports state that three bridges of stone are to be built by order of County Court.

GALVESTON, TEX. — Bids are asked by County Commissioners until Sept. 18 for construction of a wooden bridge across Clear Creek. John B. Ashe, County Audr.

SAN ANTOINO, TEX.—A new bridge will be constructed across the San Antonio River. John D. Rullman is Cy. Engr.

ABERDEEN, WASH.—Bids for the erection of a steel bridge across Wishkah River on Heron St., were opened by City Council Aug. 30. Puget Sound Bridge & Dredging Co., Seattle, $25,500; International Contract Co., Seattle, $27,175; Pacific Bridge Co., Portland, Ore., $27,625; Northwestern Bridge Co., Tacoma, $28,200; Portland (Ore.) Bridge Co., $29,480.

SACRAMENTO, CAL. — All bids were rejected by Board of Supervisors for construction of concrete bridge at Buffalo Creek crossing, near Salisbury. W. B. Hamilton, County Clk.

RED BLUFF, CAL.—The Board of Supervisors is considering the advisability of erecting a bridge across Sacramento River at or near the town of Tehama. Cost, about $50,000.

WALKERVILLE, ONT.—W. F. Brown, of Walkerville, and Toledo, O., U. S. A., has been instructed to prepare plans for three 40-ft. reinforced concrete spans, with 60-ft. roadway and 10-ft. sidewalks. Bids for the construction will soon be asked.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

BANGOR, ME.—W. S. Houck has invited sub-bids for a four-story brick store and office building, 60 × 60 ft.

PORTLAND, ME.—James P. Baxter, President Portland Savings Bank, has announced that the bank is to build a seven-story block on the site of the Preble House, which will be demolished. The block will contain banking rooms for the institution and will cost $500,000. Contracts have not been awarded.

BOSTON, MASS.—Bids are asked by Maj. John E. Baxter, Q. M., U. S. A., 170 Summer St., until Sept. 20 for enlarging servants' bath-rooms and installing bath tubs in basements of three double sets of officers' quarters, at Fort Banks, Winthrop.

CHELSEA, MASS.—Col. Wm. M. Olin, Col. E. H. Haskell and Hon. Jos. E. MacCabe, Trustees of the Soldiers' Home, have petitioned the Board of Aldermen that a portion of Hillside Ave. be ceded to the Commonwealth as a site for the proposed $100,000 hospital.

WALTHAM, MASS.—The city is considering the erection of a new city hall.

BARNSTABLE, MASS.—E. L. SAMPSON, of Plymouth, has been awarded contract for constructing additions to court-house at Barnstable, for $28,000.

BRISTOL, CONN.—It is stated that a new library will be erected here in the near future at Main and High Sts. Cost, $50,000.

BUFFALO, N. Y.—A building permit has been granted to the Church Charity Foundation to erect a two and three-story brick home at 16 Rhode Island St. Est. cost, $70,000.

BROOKLYN, N. Y.—Thos. Engelhardt, Arch., 905 Broadway, Brooklyn, has prepared plans and will take figures until Sept. 15 for a six-story addition, 61 × 100 ft., to storehouse for the S. Liebmann's Sons Brewing Co., Bremen and Forrest Sts., Brooklyn. Cost, $50,000.

BROOKLYN, N. Y.—R. T. Rasmussen, Arch., 30 Graham Ave., has plans for 20 flat buildings, with stores, at Moore and Siegel Sts., for J. Rechnitz, 30 Graham Ave. Cost, $340,000.

NEW YORK, N. Y.—Mulliken & Moeller, Archs., 7 West 38th St., have plans ready for bids for a 12-story fireproof apartment building, 118 × 92 ft., to be erected at 72d St. and Amsterdam Ave., for the Ripley Realty Co., 900 Seventh Ave. Cost, $800,000.

Samuel Sass, Arch., 23 Park Row, has plans for three flat buildings to be erected at 135th St., near St. Anns Ave., for David Zipkin, 105 West 113th St. Brick, stone and terra-cotta, 6 stories, 39 × 87 ft. Cost, $105,000.

Same architect has plans for three flat buildings on Washington Ave., near 174th St., for L. Livingston, 92 St. Nicholas Ave. Cost, $105,000.

Schwartz & Gross, Archs., 35 West 21st St., have plans for four flat buildings for Kantor, Cooper & Co., 449 West 41st St. Cost, $100,000.

Geo. P. Pelham, Arch., 503 Fifth Ave., has plans for three flat buildings to be erected at 127th St. and Broadway for A. E. Silverman, 1401 Madison Ave. Cost, $125,000.

C. Abbott French, Arch., 627 Columbus Ave., has plans ready for bids for loft building at 11th and Washington Sts., for the Builders' Construction Co., 141 Broadway. Cost, $145,000.

W. C. Sommerfeld, Arch., 19 Union Sq., has plans ready for bids for three flat buildings for Jos. Jacobson, 75 East 109th St. Cost, $105,000.

N. Seracino, Arch., 1133 Broadway, has completed plans and is receiving sub-bids for church to be erected on 36th St., between Ninth and Tenth Aves., for S'Chiara Congregation. Cost, $50,000.

Gordon, Tracy & Swartout, Archs., 244 Fifth Ave., awarded general contract to A. R. WHITNEY, JR., & CO., 135 Broadway, for apartment hotel which the Home Club Co., Wm. C. Fisk, Pres., 62 Cedar St., will erect at 11-15 East 45th St. Cost, $300,000.

Sealed proposals for furnishing, delivering and erecting one steel storehouse at Fort Hancock, N. J., will be received by Lt.-Col. W. L. Marshall, U. S. Engrs., Army Bldg., until noon on Sept. 22. (Advertised, Engineering News.)

NEW YORK, N. Y.—The following bids were received Sept. 6 by Board of Trustees of the College of the City of New York for furniture and equipment work for college building to be erected at 140th St. and Amsterdam Ave.: P. J. Constant, 422½ Gates Ave., Brooklyn, $459,000; Jno. Wanamaker, Eighth St. and Broadway, $566,000; Derby Desk Co., 145 Fulton St., $568,024; Thos. Dwyer, 140th St. and Amsterdam Ave., $525,000.

JERSEY CITY, N. J.—The Board of Education has approved plans of Arch. John T. Rowland, Jr., Commercial Trust Bldg., for new building in the Greenville section, and bids will be advertised for soon. Cost, about $40,000.

LONG BRANCH, N. J.—It is reported that the Deal Golf Club will erect a new club-house at Deal Lake, to cost about $50,000.

ALLEGHENY, PA.—W. J. Shaw, Arch., of Pittsburg, has let contract to B. O. GROAH for the eight-story warehouse of Kerr & Snodgrass, Allegheny. Cost, $50,000.

PITTSBURG, PA.—F. J. Osterling, Arch., Times Bldg., has plans for six-story warehouse for H. J. Bailey estate, Bailey Farrell Bldg. Cost, $75,000.

HOMESTEAD, PA.—HARRIS & DAVIS, of Pittsburg, have the contract for the St. Francis German Catholic Church, at Homestead. Cost, $50,000.

CONNELLSVILLE, PA.—The School Board awarded contract to the CONNELLSVILLE PLANING CO. to build a 12-room brick building, at $41,198.

PITTSBURG, PA.—S. D. Eisendrath, Arch., Ferguson Bldg., has had his plans accepted for synagogue which the Tree of Life Congregation will build. Cost, $90,000. Address H. Livingstone, Pres.

ALLEGHENY, PA.—T. K. Schaub, Arch., First National Bank Bldg., is taking bids for a three-story parochial school building for Church of the Most Holy Name of Jesus. Cost, $35,000.

McKEESPORT, PA.—T. J. Herron, Arch., Publication Bldg., Pittsburg, is taking revised bids on the Versailles Ave. school-house at McKeesport. Cost, $53,000.

PITTSBURG, PA.—The plans of Arch. S. B. Isendrath, Ferguson Bldg., have been accepted for the Hebrew Ladies' Hospital Aid Society building. Cost, $75,000.

LANCASTER, PA.—Wm. P. Erisman, Arch., 112 North Queen St., is preparing plans for store and warehouse for H. S. Williamson. Brick, 4 stories, 150 × 30 ft.

HARRISBURG, PA.—W. O. WEAVER & SON, 114 South Second St., have been awarded constract for store and apartment house for Wm. H. Donaldson. Brick and stone, 5 stories, 75 × 150 ft.

WILLIAMSPORT, PA.—Bids will be received by Edgar V. Seeler, Arch., Real Estate Trust Bldg., Philadelphia, invited Sept. 19, for erecting a library. Cost, $125,000.

EASTON, PA.—STEINMETZ & WALTERS have been awarded contract for an addition to Easton Hospital. Cost, $45,000.

SCRANTON, PA.—Plans have been completed and are ready for bids for an addition to city hall. Brick and steel, fireproof, 3 stories, 120 × 160 ft.

BALTIMORE, MD.—It is reported that A. Scherr will erect an eight-story apartment house at 667 West Saratoga St.

The Clover Club, 1914 Madison Ave., will erect a building at 1916 Madison Ave. It is reported that J. E. Laferty, Arch., 2 East Lexington St., will prepare plans.

WASHINGTON, D. C.—GLEASON & HUMPHREY, 920 D St., N. W., have been awarded contract for school for District of Columbia, to cost $40,000.

Thos. H. Melton is having plans prepared

for an apartment house at 12th and O Sts., N. W. Cost, $60,000.

Franklin T. Sanner, 1361 Columbia Road, has invited bids for five apartment houses, to be erected at 20th and Pine Sts., at a cost of $75,000.

NORFOLK, VA.—It is reported that Maj. S. Heth Tyler is interested in a company which will erect an apartment house on West Bute St., to cost about $250,000.

WINSTON-SALEM, N. C.—The Forsythe Hotel Co. will erect a five-story hotel at a cost of $80,000. Hook & Rogers, Archs.

MACON, GA.—A $50,000 building will be erected by the Blind Academy. Ben. C. Smith is Pres. Bd. Trustees. Alexander Blair, of Macon, is Arch.

BIRMINGHAM, ALA.—A five-story brick business house will be erected here by Mrs. L. P. Hudgins at a cost of about $50,000. Wheelock, Joy & Wheelock are Archs.; P. E. BOSTIE, Contractor.

ROSEDALE, MISS.—Sealed proposals will be received by Board of Supervisors until Oct. 2 for furnishing all materials and doing all labor necessary to make repairs to present court-house building in Rosedale. Spencer & Temple, Archs., Champaign, Ill.

GRETNA, LA.—Sealed proposals for the erection of a court-house will be received by M. A. Dauenhauer, Secy. Police Jury, Gretna, until Oct. 16. W. S. Hull, of Jackson, Miss., and W. N. Baxter, of New Orleans, Archs.

LEXINGTON, KY.—Des Jardins & Hayward, Archs., St. Paul Bldg., Cincinnati, will make plans for building for a new banking concern to be organized here.

MIAMISBURG, O.—Peters, Burns & Pretzinger, Archs., Reibold Bldg., Dayton, have plans for a three-story high school building for Board of Education. Bids will be received by clerk in about two weeks. Cost, $50,000.

MONMOUTH, ILL.—Sealed proposals will be received by the Monmouth Hotel Co. until 12 m., Sept. 25, for the erection (not including heating and plumbing) of a 56-room hotel. Herbert Edmund Hewitt, Arch., 22 Arcade Bldg., Peoria. (Advertised, Engineering News.)

CHICAGO, ILL.—D. H. Burnham & Co., Archs., Railway Exchange Bldg., will prepare plans for department store building, to be erected on State St., for Otto Young, Heyworth Bldg. Brick, steel and terracotta, fireproof, 12 stories, 105 × 144 ft. Work will start May 1, 1906. Cost, $800,000.

Caleb H. Marshall, 934 First National Bank Bldg., and others are contemplating the erection of an ornamental apartment building on Lake Shore Drive, to cost about $300,000. Marshall & Fox, Archs., 934 First National Bank Bldg., have made preliminary sketches, but no details have been decided on as yet.

Holabird & Roche, Archs., Monadnock Block, have completed plans and will take figures on addition to Auditorium Annex, Michigan Ave. and Congress St., for the Congress Hotel Co. Stone, 11 stories, 52 × 172 ft. Cost, $200,000.

CHICAGO, ILL.—E. J. Ohrenstein, Arch., 164 Dearborn St., is preparing plans for store and flat building, to be erected on the West Side. Cost, $60,000.

Jno. Duncan, Arch., 179 Dearborn St., is preparing plans for an apartment building to be erected on Humboldt Blvd. Cost, $180,000.

H. L. Newhouse, Arch., 4630 Prairie Ave., is preparing plans for 12 apartment buildings, to be erected at 48th St. and Forestville Ave., for Simon Lederer. Cost, $300,000.

RIVERSIDE, IA.—Bids will be received about Jan. 15, 1906, for superstructure of $40,000 church for St. Mary's congregation. Martin Heer, Arch., Dubuque.

MANHATTAN, KAN.—Bids are asked by County Commissioners until Oct. 3 for the erection of a court-house. J. C. Holland & Squires, Archs., Topeka. Claude M. Breese, County Clk.

FORT LEAVENWORTH, KAN.—Bids are asked by Capt. J. E. Normoyle, Q. M., until Oct. 4 for furnishing and installing electric fixture and wiring and installing watt meters in certain buildings and furnishing and delivering watt meters at Fort Leavenworth.

FORT RILEY, KAN.—Bids are asked until Oct. 4 for constructing one double set N. C. staff officers' quarters, and for underground rearrangement of electric lighting wire in connection with post hospital building. Capt. Leon S. Roudiez, Q. M.

SIOUX FALLS, S. DAK.—Contract for building the masonic temple for the Masonic Building Association of Sioux Falls was let to J. J. OLSEN, of Red Wing, Minn., for $37,913. Jos. Schwarz is Arch.

BROWNING, MONT.—Bids are asked by C. F. Larabee, Act. Comr. of Indian Affairs, Washington, D. C., until Oct. 3 for constructing complete an employes' quarters and a day school building at Blackfeet Reservation, Mont. Capt. J. Z. Dare, Agt., Browning.

ST. LOUIS, MO.—Frisco Building Co. will remodel and erect an addition to office building, at a cost of $275,000.

J. J. Robinson, Arch., 6766 Vernon Ave., has prepared plans and will receive bids until Sept. 20 for a two-story church, 50 × 80 ft., to be erected in St. Louis County. Cost, $50,000.

Frank Hueser, 2027 Washington St., has plans and will take figures until Sept. 21 for two additions to a four-story hotel at Sarah and Olive Sts. Cost, $25,000.

ST. LOUIS, MO.—The Immaculate Conception Congregation will erect a church at a cost of $105,000. Address the Pastor for information.

AUSTIN, TEX.—An auditorium with a seating capacity of 6,000 people will be erected here. The Secretary of Business League can give information.

DALLAS, TEX.—Hubbel & Greene, Archs., North Texas Bldg., are preparing plans and bids will be received in about 30 days for a three-story cathedral building, 150 × 126 ft., for the Scottish Rite Cathedral Association. Cost, $100,000.

HOUSTON, TEX.—A permit has been issued to Houston Land & Trust Co., by the City Engineer for the construction of a five-story bank and office building at Franklin Ave. and Main St. According to the permit, the building is to cost $72,025.

COLORADO SPRINGS, COLO.—John Mosley has purchased tract of land 400 × 300 ft., at Fifth St. and Lincoln Ave., West Colorado Springs, and will construct thereon 16 two-story buildings at an aggregate cost of nearly $80,000.

BREEN, COLO.—Bids are asked by Wm. M. Peterson, Supt. Indian School, for furnishing and delivering at school, as required during fiscal year ending June 30, 1906, about 396 yds. excavation, 2,650 cu. ft. stone, 23 stone sills, 84,000 bricks, 94 sacks cement, 780 yds. lathing and plaster, 330 yds. painting, about 40,000 ft. lumber, 46 squares tin roofing, 45 windows, doors and frames, 1 lavatory, closet, urinal, etc.

BELLINGHAM, WASH.—It is stated that the Alsop Bros. are making preparations for the building of a six-story brick and stone building at Elk and Holland Sts. Cost, about $100,000.

SAN FRANCISCO, CAL.—Preparations are being made for construction of the new Clara Barton Hospital on Post St. It is to be a six-story structure and will cost about $130,000. Bliss & Faville are Archs.

SAN FRANCISCO, CAL.—Board Public Works has rejected all bids for construction of Washington Grammar School as none of them came within the appropriation of $119,000. Contractors will be asked to submit sub-bids.

GLOBE, ARIZ.—Millard & Creighton, Archs., of Phoenix, have prepared plans for a three-story hotel, 73 × 100 ft., for Gibson & Newman. Cost, $40,000.

FORT WILLIAMS, ONT.—The rate-payers will vote on a money by-law, Sept. 13, to raise $30,000 for the erection of a high school building. Address Mayor Horne.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

BAR HARBOR, ME.—Contract for construction of new filter plant for Bar Harbor Water Co. has been let to STROUT & WILLEY for about $40,000.

DANBURY, CONN.—Bids are asked by Council Water Committee, W. G. Olmstead, Chn., until 4 p. m., Sept. 25, for furnishing labor and material for construction of reservoir dam, forebay and pipe line. A. L. Davis, Cy. Engr. (Advertised, Engineering News.)

FORT PLAIN, N. Y.—Contract for cleaning, deepening and walling distributing reservoir of town water system has been let to JACOB SNELL & CO., Fonda, N. Y., for $8,800.

NEW YORK, N. Y.—Following bids were received Sept. 6 by John T. Oakley, Comr. Water Supply, Gas and Electricity, 13 Park Row, for various improvements to the water system of this city: Furnishing, delivering and laying water mains and removing existing mains in Wythe and other streets, Borough of Brooklyn—I. Harris, 485 Flatbush Ave., Brooklyn, $90,492; Thos. O. C. Sloane, Brooklyn, $69,072. Hauling and laying water mains and appurtenances, Borough of Brooklyn.—F. N. Lewis, 27th St. and 6th Ave., $42,917; I. Harris, 485 Flatbush Ave., Brooklyn, $26,136; D. Douglas, Pitkin Ave., Brooklyn, $38,720. Furnishing and erecting two new brick chimneys at new Ridgewood pumping station, Borough of Brooklyn—Jas. MacArthur, 22 Ormond Pl., $12,473; Borough Construction Co., 44 Court Sq., $11,200; H. Hemnecker, $8,475; Alphons Custodis Chimney Construction Co., 96 Nassau St., New York, $9,195. Furnishing, delivering, erecting and connecting two pumping engines, including foundations, auxiliaries and piping, at the new New Lots pumping station—Allis-Chalmers Co., Milwaukee, Wis., $47,000; Snow Steam Pump Works, 114 Liberty St., $48,700; Marine Engine & Machine Co., 1123 Broadway, $39,500. Furnishing, delivering and laying water mains in Ann and other streets, Boroughs of Manhattan and The Bronx—Jno. Cornwell, 69 East 127th St., New York, $195,137; Cunningham & Kearns, 438 East 91st St., New York, $160,625; Louis D. Gregory, 125th St. and First Ave., New York, $187,642. Furnishing, delivering and laying water mains in Morningside Ave. and other streets—Clinton Beckwith, 27th St. near Sixth Ave., New York, $113,029; Gallo & Pettelli, 127 Mulberry St., New York, $110,845; Jno. Cornwell, 69 East 127th St., New York, $126,899; L. D. Gregory, 125th St. and First Ave., New York, $133,091; Cunningham & Kearns, 438 East 91st St., New York, $118,887; Jos. Burns, 1909 Amsterdam Ave., New York, $121,985. Itemized bids for two sections of work last mentioned are given under Contract Prices.

ALBANY, N. Y.—Plans and specifications for the construction of an intake from main waterway of Hudson River to pumping station at filtration plant may be seen at office of Engineering News, 220 Broadway, New York. Bids for the above work are asked until 3 p. m., Sept. 18, as is stated in our advertising columns.

LAKEWOOD, N. Y.—We are advised that this village has voted to issue $30,000 of bonds for water-works system. This item was given in our last week's issue with the town incorrectly given as Lakewood, N. J.

MT. KISCO, N. Y.—We are informed that village will vote Sept. 19 on water-works improvements to be made at an est. cost of $15,000. Isaac W. Turner is Village Pres.

FILLMORE, N. Y.—We are informed that works of Fillmore Water Co. will cost $15,000; supply is to be from springs, two miles distant, and 4-in. and 6-in. cast-iron pipe will be laid. Charles Ricker is interested.

CRANBURY, N. J.—Bids are asked by Geo. B. Mershon, until 1 p. m., Sept. 25, for furnishing material and constructing water-works. Chas. S. York, Engr. in Charge, Baltimore, Md. (Advertised, Engineering News.)

GARFIELD, N. J.—Bids are asked until 8 p. m., Sept. 20, for constructing reinforced concrete reservoir for this borough. Wm B. Hepworth, Mayor. Wise & Watson, Engrs., Passaic, N. J. (Advertised, Engineering News.)

COLUMBIA, PA.—Columbia Water Co., A. H. Meyers, Supt., is stated to have awarded contract for construction of concrete dam and side coping walls, containing about 1,200 cu. yds., to SMEDLEY CONSTRUCTION CO., Stephen Girard Bldg., Philadelphia, Pa. Bids were opened Sept. 5.

NEW CASTLE, PA.—Baltimore & Ohio R. R., D. D. Carothers, Ch. Engr., Baltimore, Md., and the Pittsburg & Lake Erie R. R., J. A. Atwood, Ch. Engr., Pittsburg, Pa., according to reports, are to erect a joint water purifying plant at New Castle Junction.

PHILADELPHIA, PA.—Following bids were received Sept. 6 by A. Lincoln Acker, Dir. Pub. Wks., for about 200,000 cu. yds. filtering material for the Torresdale plant: Penner & Bowie, Land Title Bldg., Philadelphia, $310,866; J. H. Louchheim, $328,194; Norcross & Edmunds, $336,589; West, Newcomb & Co., $383,378; John J. Torpey & Co., $471,093; New York & Pennsylvania Sand Co., $652,094; David Peoples, $657,543. Norcross & Edmonds also made a conditional bid of $302,936, providing they would be permitted to use the cars and tracks placed at the Torresdale plant by D. J. McNichol to haul filtering material. This is the contract which some time ago was awarded to D. J. McNichol, but which Mayor Weaver afterwards annulled. Bids were likewise opened for furnishing 26,654 lin. ft. 8-in. terra cotta pipe. John J. Torpey & Co., at $7,463, being lowest bidder.

WILMINGTON, DEL.—We are advised that the Water Department, Theodore A. Leisen, Ch. Engr., has awarded contract for construction of 35,000,000 gallon reservoir to JEREMIAH T. FINCH, Glens Falls, N. Y., for $161,115. Bids were opened Sept. 4.

BROOKSIDE, W. VA.—George Clifford, Martin's Ferry, O., was low bidder Sept. 2 for installing water and sewer system for this place.

MILLEDGEVILLE, GA.—Bids are asked by Board Trustees Georgia State Sanitarium until 10 a. m., Oct. 18, for construction of water-works and filtration plant. T. H. De Saussure, Engr., Milledgeville.

GRENADA, MISS.—This city, we are informed, will extend its water system. W. R. Wallis, Engr.

PRINCETON, KY.—Contract for constructing water-works for this city, bids opened Sept. 5, has been let to T. C. BROOKS & SONS, Jackson, Mich., for $29,655.

FINDLAY, O.—Contract for concrete work on new city reservoir has been let to P. B. MORRISON & SON.

NEWARK, O.—Bids are being readvertised by the Board Public Works, John P. Lamb, Pres., for the construction of a water-works system. The work consists of building a distributing system of about 24 miles, pumping station and pumping machinery. Lewis K. Davis, Consult. Engr., Pittsburg, Pa.

TOLEDO, O.—Bids are asked by Board Public Service, Harry Jones, Secy., until noon, Oct. 10, for construction of water purification works for this city. Chas. L. Parmelee, Consult. Engr., New York. (Advertised, Engineering News.)

COLUMBUS, IND.—Bids are asked by Geo. Vorwald Cy. Clk., until 8 p. m., Sept. 21, for construction of a wooden infiltration gallery, 3 × 8 × 200 ft. in White River. (Advertised, Engineering News.)

LANESVILLE, IND.—Lanesville Water Co. has awarded contract for construction of water-works to FRANK SHEFOLD, 1207 East Spring St., New Albany, Ind., for about $6,000.

AMES, IA.—Following bids were received Sept. 4 by City Council. A. B. Maxwell, Cy. Clk., for extension of city water-works: Des Moines Bridge & Iron Works, Des Moines, Ia., $32,990; W. D. Lovell, St. Paul, Minn., $34,015, not including well; Dwyer Plumbing & Heating Co., St. Paul, Minn., $35,200; American Light & Water Co., Kansas City, $35,952; Symms-Power Co., Sioux Falls, S. Dak., $36,658; J. Martin Healey, Chicago, Ill., $38,700. Separate bids for the water tower were received as follows: Kenwood Bridge Co., Chicago, Ill., $5,200; Chicago Bridge & Iron Co., Chicago, Ill., $5,300; American Bridge Co., Chicago, Ill., $5,300. Itemized bid of Des Moines Bridge & Iron Works is given under Contract Prices. A. Marston, Ames, is Engr.

WATERLOO, IA.—We are informed that franchise of local water company expires Dec. 10, 1905. An election will probably be held this fall to vote on extending the franchise or for municipal ownership of water-works. J. R. Rector is Mayor.

BOYD, MINN.—Bids are asked by Village, A. H. Nibbelink, Recdr., until 4 p. m., Sept. 26 for construction of complete water-works, on both gravity and compressed air system. O. Claussen, Engr., St. Paul, Minn.

BARNESVILLE, MINN.—We are advised that contract for constructing water-works for this city has been awarded to PASTORET & LUNZ, Two Harbors, Minn., for $38,026. Bids were received Sept. 2 by M. P. Philippi, Cy. Clk.

NORFOLK, NEB.—We are advised that contract for extending city water mains, bids opened Sept. 7, has been let to O. W. RISH, for $2,245. Julius Hulff is Cy. Clk.

LINCOLN, NEB.—Contract for new reservoir for city water-works has been let to BEARDSLEE & BROCKWAY for $11,623. Contract for new pump house was let to THOS. RADFORD for $3,629.

FARGO, N. DAK.—We are informed that contract for constructing 4,720 ft. 6-in. water mains and setting ten fire hydrants has been let to C. H. PORRITT, Fargo, N. Dak., for $5,184.

BILLINGS, MONT.—Bids are asked by U. S. Reclamation Service, Billings, until 2 p. m., Dec. 5, for construct[illegible] Lower Yellowstone Dam, a rock f[illegible] [illegible]ber cribbed structure, requiring about [illegible] ft. of lumber, 700 piles, 1,600 she[illegible] 11,000 cu. yds. rock filling and r[illegible] [illegible] tons of steel. (Advertised, E[illegible] News.)

BILLINGS, MONT.—Fo[illegible] bids were received Sept. 5 at office [illegible] S. Reclamation Service, Billings, for [illegible]struction of Shoshone Dam. Shoshone [illegible] Wyo.: Prendergast & Clarkson, [illegible] Ill., $513,730; Patrick McDonnell, [illegible]th, Minn., $620,250; Chas. Spear, Billi[illegible] $627,200; W. C. Bradbury, De[illegible] $787,380. Itemized bids are g[illegible] under Contract Prices.

Following bids were open[illegible] 6 by U. S. Reclamation Service, for [illegible] of the Corbett Tunnel, Shoshone [illegible] Wyo.: Chas. Spear, Billings, Mont[illegible] J. G. White & Co., New York, [illegible] Patrick McDonnell, Duluth, Minn., [illegible] W. C. Bradbury, Denver, Colo., [illegible] D. Leggate, Butte, Mont., [illegible] Itemized bids are given under Contr[illegible]

ROLLA, MO.—Bids are [illegible] by Mayor and Council until noon Oct. [illegible] municipal water system. Plans and sp[illegible] may be seen at offices of Engine[illegible] News, Monadnock Block, Chicago, [illegible] and 220 Broadway, New York. (Ad[illegible], Engineering News.)

FLORESVILLE, TEX.—Bid[illegible] asked by the Mayor until 1 p. m., Sep[illegible] for purchase of one 40 HP. return [illegible] boiler, one feed water heater, one fi[illegible]derwriters pump, one air compressor, cast [illegible] pipe and ten fire hydrants. M. Griffin O'Neil, Engr., Dallas, Tex. (Advertised, Engineering News.)

ASPEN, COLO.—Special ele[illegible] is to be held to settle water-works qu[illegible] Aspen Water Co. has offered to [illegible] its plant to city, and Col. Geo. S. Newman has applied for franchise for new company.

DURANGO, COLO.—Contract [illegible] construction of storage reservoir on Flori[illegible] Mesa to irrigate 4,000 acres of land has been let to FRANCIS PASTORUS, Colorado Springs, Colo.

PRESCOTT, WASH.—Special election will be held to vote bonds for installing water system.

EUGENE, ORE.—Election was to be held Sept. 11 to vote on bonding city for building water-works and electric light plant.

PORTLAND, ORE.—Bids are asked by Water Board, D. D. Clarke, Engr., Frank T. Dodge, Supt. W.-W., until Oct. 11 for furnishing cast-iron water pipe and special castings; also for furnishing material and labor for construction of a high service main, 39,500 lin. ft. long. The official advertisements for both pieces of work will be found in Engineering News.

HAYWARDS, CAL.—William Graff is promoting new company to furnish this town with independent water supply.

FRESNO, CAL.—Fresno Water Co., according to reports, is to expend $22,000 for improvements, to include laying of 19,000 ft. 6-in. and 8,000 ft. 4-in. pipe, and two pumping plants.

LOS ANGELES, CAL.—At recent election voters indorsed the proposition that the city turn the course of Owens River and bring its waters here from the Sierra Nevada 240 miles distant. A bond issue of $1,500,000 is provided for. The complete cost is estimated at $23,000,000.

SAN MATEO, CAL.—A local report states that the Burlingame Land Co. is to lay about five miles of water and sewer mains in the tract recently purchased by them at Burlingame.

SALT LAKE CITY, UTAH.—Following bids were received Sept. 4, by Board Public Works, Geo. W. Riter, Cy. Engr., for constructing reinforced concrete conduit: Gaffy-Keefe Construction Co., $342,850; R. S. Blome Co., $289,975; Snow, Clement & Strange, $314,415; Lynn S. Atkinson, $279,700; D. B. Brinton, $254,400 (informal); P. J. MORAN, Salt Lake City, Utah, $238,575 (awarded contract). Itemized bids will be given under Contract Prices.

SALT LAKE CITY, UTAH.—The Salt Lake Water Co. has been formed to absorb and take over the stock and franchises of the Sandy Pipe Line Co. The capital stock has been increased from $5,000 to $20,000. The company will take over the franchise recently granted by the County Commissioners to James H. Anderson to construct a pipe line from Sandy to Bingham Junction. Water-works will be constructed at the latter place. J. S. Jensen, W. W. Wilson, Joseph W. Burkinshaw, Horace Burkinshaw and James H. Anderson are interested.

LEWISTON, IDAHO.—J. O. Maxon, C. E., writes us that he is engaged in making plans and specifications for an irrigation plant, that will have when finished 30 miles of canal, 6 to 7 miles of flume, 5 or 6 reservoirs, all earth, and gravel dams, two or three inverted syphons, 40 to 50 miles of wooden stave or iron pipe, etc., and it is desired to get all the information possible on such work, and also regarding sluice gates.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—Bids are asked by Bureau of Yards and Docks, U. S. N., Washington, D. C., until Sept. 30 for vitrified pipe sewers and drains and accessories, at navy yard, Boston. Mordecai T. Endicott, Ch. Bureau.

WAKEFIELD, MASS.—The town has authorized the Sewer Commissioners to extend sewer through Gould and Converse Sts. and Jordan Ave., and $2,000 has been appropriated for the work.

LOWELL, MASS.—Local press reports state that the $50,000 appropriated for sewers will be expended this fall. Geo. Bowers is Cy. Engr.

NEW HAVEN, CONN.—Contracts for construction of several new sections of sewers have been awarded by Jas. B. Coe, Dir. Pub.

Wks. The successful bidders are: J. B. WHITBY, West Ivy St., $1,240; THOS. F. MAHER, Pi... St., $1,210; THOS. F. MAHER, Norton ..., $1,121; JAS. F. DWYER & CO., Frank ..., $4,406; JAS. F. DWYER & CO., Adeline ..., $6,191.50.

NEW YORK, N. Y.—Bids are asked by Louis F. Haffen, Pres. Boro. Bronx, until Sept. 19 for constructing sewers and appurtenances on portions of several streets.

NEWTON, N. J.—Bids were received Sept. 2 by Town Committee, Morris C. Siple, Town Clk., for laying about seven miles of pipe sewers, for furnishing about seven miles of sewer pipe, and for building two sewage purification plants, the lowest bidder in each case being as follows: Laying pipe sewers, Allen & W..., $43,291; furnishing sewer pipe, Union Sewer Pipe Co., $9,320; building two sewage purification plants, Carhart & Bindernagel, $21,400; Williams & Whitman, Inc., Engrs., New York. See under Contract Prices.

ELIZABETH, N. J.—The city will advertise for bids for the construction of sewer on East Grand St. and Sayre Place. W. H. Luster, Jr., is Cy. Engr.

JERSEY CITY, N. J.—Bids were received Sept. 5 by Street and Water Commissioners, Geo. T. Bouton, Clk., for constructing sewer in Hudson Boulevard, the contract being let to BERNARD GANNON, 41 Graham St., Jersey City. Contract for sewer in westerly sidewalk of Hudson Boulevard was let to PHILIP TUMULTY, JR., 295 Monmouth St., Jersey City.

BLOOMSBURG, PA.—Jas. C. Brown, Cy. Engr., informs us that plans are being prepared for a terra cotta sewer consisting of about 2,400 ft. of 24-in. and 1,000 ft. of 6-in. pipe. Previously noted.

NORRISTOWN, PA.—S. Cameron Corson, Boro. Engr., writes us that plans and specifications are being prepared for about 4,000 ft. of sewer on Washington and Markley Sts.

DU BOIS, PA.—R. Dawson Hall, Boro. Engr., informs us that the contract for constructing sewer "A," about 2,500 ft., is to be let soon; est. cost, $2,000.

WASHINGTON, D. C.—We are informed that all bids received Aug. 30 by Capt. A. W. Butt, Q. M., for construction of sewer from coal testing plant, Rosslyn, Va., to Potomac River, have been rejected.

WASHINGTON, D. C.—Bids for constructing sewers were opened Sept. 7 by District Commissioners, as advertised in Engineering News. It is stated that the contract for sewer A was awarded to JAS. A. COYLE, of Washington, D. C., for $2,526, and for constructing sewers B, C, D, E and F to J. CONNELLY CONSTRUCTION CO., of Washington, D. C., was awarded contract at a total bid of $9,723. D. E. McComb, Supt. Sewers.

WASHINGTON, D. C.—Bids are asked by District Commissioners until noon Sept. 25 for furnishing and delivering two 60-in. diameter sluice gates at sewage pumping station. (Advertised, Engineering News.)

ROANOKE, VA.—C. Markley is lowest bidder and will probably receive contract for construction of sewerage system here to cost about $30,000.

HARTSVILLE, S. C.—The city contemplates issuing $40,000 in bonds for sewerage and water-works. Address the Mayor.

ST. AUGUSTINE, FLA.—The city is considering issuing of $100,000 sewer and garbage bonds.

KNOXVILLE, TENN.—The Board of Mayor and Aldermen appropriated $15,273 Sept. 1 for constructing sewers on several streets. S. J. Moreland is Cy. Engr.

NEWPORT, KY.—Bids for the construction of about $20,000 of sewers in various parts of the city were opened by J. B. Morlidge, Cy. Engr., Aug. 31. John McLane was lowest bidder and will be awarded the contract.

DAYTON, O.—Bids are asked by William F. Miller, Clk. Bd. Pub. Service, until noon, Sept. 26 for construction of sewage pumping station for Sewer Districts 6 and 7. Contract for pumping house and pumping plant will be let separately, the latter consisting of two 20-HP. electric motors and two 8-in. vertical centrifugal pumps. F. M. Turner, Cy. Civ. Engr. (Advertised, Engineering News.)

HAMILTON, O.—The Board Public Service contemplates the construction of several new sewers. L. A. Dillon is Cy. Engr.

MARION, O.—Sealed bids will be received by Board Public Service until Sept. 20 for constructing 12-in. storm water sewer on Bradford St. Wm. Fies, Clk.; Geo. Dwyer, Cy. Engr.

CROWN POINT, IND.—F. L. Knight & Sons, Engrs., want prices on sewer pipe and cast-iron culvert pipe.

GOSHEN, IND.—Bids are asked by Benj. C. Bender, Cy. Clk., until 7.30 p. m., Sept. 18 for construction of a sewer on South Sixth St. and Plymouth Ave. John L. Cooper, Cy. Engr.

FRANKLIN, IND.—City Council has awarded the contract for 19,000 ft. of sanitary sewer to C. M. McCHANDLESS, of Anderson, for $14,389.

MIDLAND, MICH.—This city has voted $8,333 bonds for the construction of sewers.

DETROIT, MICH.—The Common Council has directed the Dept. of Public Works to advertise for bids for the construction of five vitrified crock lateral sewers.

CHICAGO, ILL.—Only two bids for the construction of 95th St. sewer system were received by Board Local Improvements Sept. 6. The Conway Co. was lowest bidder, offering to do the work for $855,880. Nash Bros. filed the other bid for $917,875. The bids include the erection of pumping station at Erie Ave. and 95th St.

BELLEVILLE, ILL.—L. L. Harper, Cy. Engr., writes us that his department is preparing plans for ten miles of sewers to be constructed this year.

EAST MOLINE, ILL.—W. N. DEARBON, of Stone City, Ia., has been awarded contract to lay the East Moline sewer system, at $20,900. Work will commence at once.

SUPERIOR, WIS.—The Board Public Works, it is stated, awarded to OLSON-JOHNSON CO. a contract for sewer between Weeks and Grand Ave. Cost, about $6,500.

CRESCO, IA.—Sealed proposals will be received by City Clerk until Oct. 2 for construction of two sewers and sewage disposal plant. W. L. Richards, Chn. Sewerage Com.

CENTERVILLE, IA.—Following bids were received Sept. 5 by this city for sewers in Area No. 5: Davenport Construction Co., Davenport, Ia., $13,372; Muscatine Construction Co., Muscatine, Ia., $13,795; Cameron, McManus & Joyce, Keokuk, Ia., $11,195; R. C. DeLahunt, Cedar Rapids, Ia., $10,708; Daily & Brown, Jacksonville, Ill., $10,746; Jones & Roderick, Canton, S. Dak. Iowa Engineering Co., Engrs., Clinton, Ia.

VIRGINIA, MINN.—Bids are asked by City Council until Sept. 26 for constructing sanitary sewer in Sewer Dist. No. 3. J. D. Lamont, Engr.; A. N. Thompson, Cy. Clk.

SPRINGFIELD, MINN.—We are informed that Oscar Clausen, Engr., of St. Paul, is preparing plans and specifications for 900 ft. of brick or cement sewer to be constructed here, and bids for the work will be opened Oct. 1. Est. cost, $3,000. A. G. Erickson, Vil. Recdr.

ALBERT LEA, MINN.—C. E. Brainerd, Cy. Clk., informs us that the plan for sewer is on file awaiting the results of an election to be held soon.

NORTH PLATTE, NEB.—Bids are asked until Oct. 3 for construction of sewer mains for this city. Charles Samelson, Cy. Clk. (Advertised, Engineering News.)

FARGO, N. DAK.—We are informed that the contract for constructing sewers in Dist. No. 3, bids for which were opened Sept. 4, has been let to C. H. POWITT, of Fargo, for $6,954. H. J. Gibson, Cy. Audr.

SHERIDAN, WYO.—JAS. KENNEDY, of Fargo, N. Dak., was awarded contract for construction of sewer system for this city. The work will commence at once.

ST. JOSEPH, MO. — The Board Public Works has awarded to RACKLIFFE & GIBSON the contract for building South St. Joseph sewer. They bid as follows: Brick, $72,379; concrete, $65,221; concrete blocks, $65,156; reinforced concrete, $62,294. G. O. SKILBRED was awarded the contract for extending Wyatt Park sewer, at $9,630. The main sewers in South St. Joseph will be constructed with reinforced concrete, with the smaller sewers of concrete blocks. Concrete blocks will be used in building the extension of Wyatt Park sewer. W. H. Floyd, Jr., is Cy. Engr.

CAPE GIRARDEAU, MO.—Bids are asked by City Council, Geo. E. Chappell, Cy. Clk., until noon Oct. 16 for constructing sewer system in Sewer District No. 1. Work comprises about 12 miles of 8-in. to 22-in. pipe sewers with all necessary appurtenances. Granbery Jackson, Engr., Nashville, Tenn. (Advertised, Engineering News.)

MARIANNA, ARK.—The city will issue bonds for the construction of sewerage system. Address the Mayor.

McKINNEY, TEX.—The city is considering the construction of sewerage system, and a committee has been appointed to investigate cost, etc. Address the Mayor.

MUSKOGEE, I. T.—The city will issue $100,000 in bonds to extend water-works and sewerage systems. S. A. Cobb is Cy. Engr.

TACOMA, WASH.—City Council has passed resolutions providing for the construction of vitrified sewer in Dist. No. 152. Est. cost, $22,730. Frank L. Davis is Cy. Engr.

WENATCHEE, WASH.—It is stated that bids will be received by the city until Sept. 26 for constructing sewers in Dists. No. 1 and 2; est. cost, $6,500. W. R. Prowell, Cy. Engr.; A. A. Bousquet, Cy. Clk.

SPOKANE, WASH.—Board Public Works has awarded the contract for construction of a trunk sewer in Fourth ward to PETER COSTELLO, for $17,200.

SAN LUIS OBISPO, CAL.—Bids are asked by Board of Trustees until 5 p. m., Sept. 18 for construction of sewers on several streets. Geo. W. Robbins, Cy. Clk.

BISBEE, ARIZ.—H. W. Jorgensen, Cy. Engr., writes us that surveys are being made to prepare plans and specifications for sewer construction. Plans will probably call for eight miles of sewer pipe, with a probable extension of five miles for outlet.

SALT LAKE CITY, UTAH.—Bids are asked by Board Public Works, E. A. Wall, Chn., until 3 p. m., Oct. 4 for constructing intercepting sewer and pumping station. Bids are also asked until 3 p. m. Oct. 4 for constructing extension of the gravity outlet sewer, the official advertisements for both pieces of work appearing in Engineering News. Geo. W. Ritter, Cy. Engr. Plans and specifications may be seen at offices of Engineering News, 220 Broadway, New York, and Monadnock Block, Chicago, Ill.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

CONCORD, N. H.—Bids are asked by A. W. Dean, State Engr., until 5 p. m., Sept. 23, for construction of a section of state road in the town of Rye. (Advertised, Engineering News.)

BOSTON, MASS.—The State High Commission has awarded contracts for state roads in various towns, as follows: Gloucester, DANIEL E. LYNCH, of Boston, $5,792; Burlington, R. F. HUDSON, of Melrose, $6,173; Canton, JOS. J. MOEBS, of Quincy, $3,753; North Brookfield, LANE CONST. CORPORATION, of Meriden, Conn., $4,310; Chicopee, O. T. BENEDICT, of Pittsfield, $3,244.

BARNSTABLE, MASS.—Wm. SEARS and JOYCE TAYLORS, of Hyannis, have received contract to construct two sections of macadam roads, about 3½ miles. Edgar H. Lovell is Selectman.

PROVIDENCE, R. I.—Bids were opened by State Board of Public Roads Sept. 6 for constructing state highways in various towns, amounting to 43,432 ft., and contracts were awarded as follows: Cranston, 3,261 ft., W. BLISS, for the town, $2,318; Lincoln, 5,280 ft., JOS. GRENON, for town, $3,765; Cumberland, 10,560 ft., OSBORN J. BALLOU and CHAS. W. THORNTON, for town, $4,107; North Providence, 3,714 ft., BENJ. T. & W. H. SWEET, $2,243; Warwick, 5,280 ft., trap rock, CHAS. A. JOHNSON, $3,100; Middletown, 2,558 ft., J. O. PECKHAM, $1,362; New Shoreham, 2,640 ft., JOHN C. CHAMPLIN, $2,690; Richmond, 5,280 ft., and Warren, 4,931 ft., JOHN BRISTOW, $2,638 and $2,322, respectively.

PAWTUCKET, R. I.—The proposition to widen Main St. has met with general approval, and it is probable that the Finance Committee will appropriate $3,100 for the purpose. Geo. A. Carpenter is Cy. Engr.

WEST HARTFORD, CONN.—The Selectmen have let contract for widening Farmington Ave. to A. C. STERNBERG & SON, for $2,100.

NEW YORK, N. Y.—Bids are asked by Louis F. Haffen, Pres. Boro. Bronx, until Sept. 19 for regulating, grading, flagging, paving and repaving portions of several streets.

JOHNSTOWN, N. Y.—J. F. Campbell, Cy. Engr., informs us that bids for paving Perry and Market Sts., about 11,800 sq. yds., with asphalt blocks will be received by City Clerk until 7.30 p. m., Oct. 2. Est. cost, $32,140.

NEW YORK, N. Y.—Lenox Ave. is to be graded, paved and restored to its original condition at once by the New York City Street Ry. Co.

ROCHESTER, N. Y.—The Board of Contract and Supply has awarded contract for paving Franklin St. with asphalt to the ROCK ASPHALT PAVING CO., of Rochester, for $15,750.

TRENTON, N. J.—An ordinance to authorize the paving of Monmouth St., between Greenwood Ave. and East State St., with macadam pavement has passed City Council. Harry B. Salter, Cy. Clk.; C. C. Haven, Cy. Engr.

BAYONNE, N. J.—We are advised that contract for paving Dodge St., with brick on Portland cement concrete foundation with bluestone curb has been let to J. J. COGAN, Bayonne, N. J. Bids were opened Sept. 5. F. W. Dalrymple is Cy. Engr.

CANONSBURG, PA.—Sealed proposals for grading and paving and otherwise improving Jefferson Ave. will be received by W. C. Black, Boro. Clk., until 7.30 p. m., Sept. 18. Estimated quantities: 1,500 sq. yds. paving, 600 yds. excavation, 490 ft. curb and 490 ft. old curb to reset. J. M. Farmer, Boro. Engr.

OAKMONT, PA.—Bids are asked by Borough Council until noon Sept. 20 for grading, curbing and paving of West B St., East B St. and E St. R. M. Douglass, Boro. Engr., 515 Times Bldg., Pittsburg, Pa. (Advertised, Engineering News.)

STEELTON, PA.—Time for opening bids for paving Front St., has been changed from Oct. 4 to Nov. 1, as is noted in our advertising columns.

WILMINGTON, DEL.—Bids are asked by Francis A. Price, State Highway Comr., until Sept. 19 for building macadam road, about two miles in length.

WILMINGTON, DEL.—The contract for macadamizing about 12,770 ft. of State road, bids for which were opened Aug. 29, has been awarded to THEOBALD HARSCH, of Narberth, Pa., at $18,437.

We are informed that the contract for macadamizing "New" Road, as advertised in Engineering News, Aug. 24 and 31, has been let by Francis A. Price, State Highway Comr., to STEWART & DONOHUE, of Wilmington, for $13,224.

UPPER MARLBORO, MD.—THOMAS H. LYONS has been awarded contract by County Commissioners for improving the Livingston Road and the Baltimore and Washington Turnpike. About $18,000 will be expended.

BALTIMORE, MD.—The contract for regrading and macadamizing Philadelphia Road from the city limits eastward one mile was granted to F. E. SNYDER & CO., for $6,300, and to regrade and macadamize the Mount Carmel Road from O'Donnell St. to Sparrows Point was awarded to the same bidder for $7,752. These improvements are to be made out of the State aid appropriation.

ROANOKE, VA.—W. E. Thomas, Clk. of Council, will receive bids until Sept. 28 for constructing brick sidewalks on various streets. J. H. Wingate, Ch. Engr.

COLUMBUS, GA.—Bids are asked by W. C. Campbell, Acting Supt. Pub. Wks., until noon, Oct. 3, for about 15,000 sq. yds. paving on Broad St. (Advertised, Engineering News.)

MERIDIAN, MISS.—The county contemplates issuing $20,000 in bonds for good roads.

BONNEVILLE, TENN.—This town has voted $10,000 bonds for graveling the principal streets.

HENDERSON, KY.—Bids are asked by City Clerk until 5 p. m., Sept. 19, for construction of an artificial stone sidewalk, curb and gutter on Second St. J. H. Powell, Mayor.

LOUISVILLE, KY.—The Capital Paving & Construction Co. of Indianapolis, Ind., is the lowest bidder at $1.44 a sq. yd. for paving with vitrified brick Ormsby Ave., Sixth and Slevin Sts., and will probably receive contract.

COLUMBUS, O.—Bids are asked by Board Public Service until Sept. 18 for constructing and repairing sidewalks on portions of six streets and upon portions of 30 other streets, where estimate of cost is less than $500.

CINCINNATI, O.—Bids are asked by Board Public Service until Sept. 27 for grading, curbing and macadamizing a portion of Daytona Ave. Geo. F. Holmes, Clk.

CLEVELAND, O.—Bids are asked by County Commissioners until Sept. 30 for repaving pavement on Wooster Pike. Julius C. Dorn, County Clk.; Wm. H. Evers, Engr.

FINDLAY, O.—We are informed that the contract for 19,138 sq. yds. of Bolens block pavement on Tiffin Ave. and Washington St., bids for which were opened Sept. 5, has been let to C. B. HALL & SON, of Findlay.

FINDLAY, O.—John W. S. Riegle, Cy. Engr., informs us that bids for the improvement of Baldwin and Lima Aves. will soon be advertised for.

CLEVELAND, O.—Bids are asked by Board Public Service until Sept. 18 for grading, draining, curbing and paving with dressed block Medina stone Detroit St. and Wilson Ave. A. R. Callow, Secy.; Wm. J. Carter, Cy. Engr.

DAYTON, O.—We are informed that the contract for paving Howard St. with brick, bids for which were opened by Board Public Service Sept. 6, has been let to COUCH & KINKLE, of Dayton, for $4,707. F. M. Turner, Cy. Engr.

INDIANAPOLIS, IND.—The Board Park Commissioners is considering the extending of boulevard system.

GREENCASTLE, IND.—We are advised that the contract for constructing 2½ miles of road was awarded Sept. 4 by County Commissioners to SCOTT BROWNING, for $7,375. C. C. Hurst, County Audr.

DELPHI, IND.—The City Council awarded to WESTERN CONSTRUCTION CO., of Lafayette, the contract for paving 6½ blocks with Warren Bros. bitulithic, for $27,692.

NILES, MICH.—Bids are asked by Carl F. Whetstone, Cy. Clk., until Sept. 25 for paving of Fourth St.

LANSING, MICH.—We are informed that Frank Farrel was the lowest bidder at $13,154, for laying 15,233 sq. yds. of brick pavement. The city will furnish the brick. H. A. Collar, Cy. Engr.

DETROIT, MICH.—M. P. Hurlbut, Secy. Dept. Parks and Boulevards, writes us that the following were the successful bidders for paving on boulevard: T. J. KENNEDY, Lafayette Boulevard, tar macadam, $14,568; LENNANE BROS., Vinewood to railroad, tar macadam, $15,305; Visger to Buchanan, granite macadam, $18,104; Hancock to Holden, trap rock macadam, $48,049; Speedway, from McGraw to Holden, $5,357; all on Grand Boulevard. JULIUS PORATH, brick intersection on Grand Boulevard at Baker St., $1,272.

GLENCOE, ILL.—Council passed ordinances for paving parts of Longwood, Hawthorne and Hazel Aves., and for paving Park Ave. east of tracks and Greenleaf Ave. from Hazel Ave. to Central St.

STERLING, ILL.—John D. Arey, Cy. Engr., advises us that bids will be opened Sept. 19 for 17,627 sq. yds. of brick paving; est. cost, $29,896.

BELLEVILLE, ILL.—We are informed that L. L. Harper, Cy. Engr., is preparing plans for 150,000 sq. yds. of brick paving.

FORT SHERIDAN, ILL.—Bids are asked by Capt. Wm. Weigel, Q. M., until Sept. 20 for construction of concrete walks, roads and grading about newly constructed buildings at Ft. Sheridan.

BLOOMINGTON, ILL.—An ordinance has been passed by City Council to pave with asphalt on North Main St. E. Folsom, Cy. Engr.

FREEPORT, ILL.—Sealed proposals will be received Sept. 20, at 2 p. m., for paving alley with brick on concrete foundation; est. cost, $5,000. Also for brick paving on Foley St.; est. cost, $3,000. G. W. Graham, Cy. Engr.

MADISON, ILL.—This village is reported as having appropriated $38,000 for street paving.

MADISON, WIS.—The BARBER ASPHALT PAVING CO., of Chicago, Ill., has been awarded contract for paving streets around the capitol, the price being $44,409.

DES MOINES, IA.—Brick paving on Woodland Ave., was ordered by City Council; also asphalt paving of Locust St. John W. Budd is Cy. Engr.

IOWA CITY, IA.—Bids are asked by F. H. Dondore, Cy. Clk., until Sept. 22 for grading, curbing with stone and paving with one course of paving brick on Court, College and Capitol Sts., requiring approximately 5,078 cu. yds. grading; 3,224 lin. ft. new curbing; 12,886 sq. yds. paving, etc.

MINNEAPOLIS, MINN.—It is reported that more than $500,000 will be spent by city during the year 1906, for new paving, sewer, curbs and other street improvements. Andrew Rinker is Cy. Engr.

ST. PAUL, MINN.—Thos. Keough was awarded contract for surfacing Cherokee Ave., at $7,700.

MACON, MO.—C. J. Du Bois, Cy. Engr., writes us that bids will be received until Oct. 2 for construction of about 4,000 sq. yds. of brick paving.

Contract for 8,000 sq. yds. of brick paving here was awarded to GROVER KOHLE. Est. cost, $12,000.

PINE BLUFF, ARK.—We are informed that the Commissioners are asking for bids for construction of 24,500 sq. yds. of macadam and 10,670 lin. ft. of concrete curb on Main St. Address Jno. P. Harper, Cy. Engr.

SAN ANTONIO, TEX.—Several streets of this city are to be widened and paved. City Council will take action on proposed improvements. John D. Rullman is Cy. Engr.

VANCOUVER BARRACKS, WASH.—Bids are asked by F. G. Hodgson, C. Q. M., until 11 a. m., Sept. 20 for planking road at Ft. Lawton, Wash.

OREGON CITY, ORE.—Ernest P. Rands, Cy. Engr., informs us that the city will shortly ask for bids for grading and otherwise improving with macadam, sidewalks and concrete curbing two blocks on Fifth St., and alley in Block 22, about 2,000 sq. yds. Est. cost, $3,500.

PORTLAND, ORE.—A contract, amounting to $62,000, for the construction of bitulithic pavement in this city, has been awarded to WARREN CONSTRUCTION CO., Portland, Ore. This contract was the subject of some discussion, and the matter was referred to the City Attorney, who advised that it was illegal for a board of public works or city council to award a contract for any article other than that specifically set forth in the published notice and advertisement for bids, and should such a body do otherwise the property owners against whom assessment would be made for such an improvement could not be held liable for the contract. The property owners had petitioned the city council for bitulithic, and a company submitted a bid for some other material, alleged to be the same in every particular except in name, as that called for in the published notice and advertisement. The bid of the competing company was slightly lower than the only other bid submitted.

OAKLAND, CAL.—Bids are asked by Board Public Works until 11 a. m., Sept. 18 for macadamizing Harrison Boulevard. Walter B. Fawcett, Secy.

BISBEE, ARIZ.—We are informed that bids are being received by the city for 4,000 sq. yds. of brick or asphalt paving. H. W. Jorgensen, City Engr.

MONTREAL, QUE.—Reports state that the Finance Committee has voted about $33,000 for new sidewalks.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

LYNN, MASS.—Miss Flora Breed will build for investment a five-story brick shoe factory.

NEW YORK, N. Y.—Julius Spindler, Arch., 150 East 113th St., has plans ready for bids for a three-story wagon factory, 25 × 100 ft., at 307 East 92d St., for Paul Faulhaber, 232 East 95th St. Cost, $9,000.

TROY, N. Y.—John Stanton will erect a building for brewery purposes on Parne St.

CAMDEN, N. J.—GEO. A. GLENN & CO., 930 North Eighth St., Philadelphia, have received the contract for factory for the Monarch Emery & Corundum Co. Brick, two stories, 100 × 50 ft.

COLUMBIA, PA.—Fire destroyed tannery plant of Henry Hollinger. Loss, $100,000.

YORK, PA.—The York Wagon Gear Works will erect a three-story factory building.

PHILADELPHIA, PA.—Fire destroyed the building of the Allen Dyeing Co., Frankford Ave. and Cambria St. Loss, $15,000.

H. Zimmerman, Arch., 4808 Garden St., has plans ready for bids for a two-story shop and stable, at 2616 Bridge St., for John Rose.

ALLEGHENY, PA.—The Lion Brewing Co. will build a brewery. Plans are now being prepared. Cost, $500,000. Address T. J. Rafferty.

BERWICK, PA.—The American Car & Foundry Co. is preparing plans for new car finishing building. Cost, $100,000. Previously noted.

ALLENTOWN, PA.—A. W. Leh, Arch., South Bethlehem, is preparing plans for an addition to Horlacher Brewing and Bottling Co.'s plant. Cost, $50,000.

LOCK HAVEN, PA.—F. C. Lucas has invited bids for two-story addition to his brewery.

HAZELTON, PA.—The contract for erecting brewery for the Pilsner Brewing Co. has been let to ANDREW BRESLIN, of Summit Hill, Pa., for about $125,000.

BALTIMORE, MD.—The Youngstown Construction Co. will erect plant at Westport, near Baltimore. Cost, about $25,000.

HAVRE DE GRACE, MD.—Fire destroyed can making plant of Lawder Can Co. Loss, about $12,000.

BALTIMORE, MD.—J. E. Laferty, Arch., 2 East Lexington St., has revised plans for proposed toy factory to be erected at Fremont and Lombard Sts., for the Carriage & Toy Co., Calvert and Saratoga Sts.

The Alma Mfg. Co., 611 South Monroe St., has awarded contract to WOORUFF-McLAUGHLIN CO., 100 East Lexington St., for the erection of its proposed two-story button factory. Ed. Storck is Arch.

WASHINGTON, D. C.—John Miller, 228 East Capitol St., has plans for a brick laundry building, to cost $5,000.

HARRISONBURG, VA.—The I. T. Houck Tanning Co. will build an addition to its plant.

NORFOLK, VA.—Page & Taylor, representing West Virginia capitalists, are negotiating for a site for tannery. It is stated that $225,000 will be invested.

RALEIGH, N. C.—The Composite Tile Co. has been incorporated with $25,000 cap. stock to manufacture roofing tiles. W. P. Rose is Gen. Mgr., Carolina Trust Bldg. Prices on Atlas Portland cement are desired.

GEORGETOWN, S. C.—Fire totally destroyed planing mill of the Atlantic Coast Lumber Corporation. Loss, about $80,000.

MARIETTA, GA.—S. G. Mozley & Co. is in the market for brick making machinery.

OCHWALKEE, GA.—It is reported that the plant of the Hilton & Dodge Lumber Co. was destroyed by fire. Loss, $100,000.

MIAMI, FLA.—The Southern Ice & Fish Co. will erect an ice and cold storage plant here. T. E. Titus is Gen. Mgr.

ANNISTON, ALA.—The Western Steel Car & Foundry Co., H. H. McCord, Gen. Mgr., will expend $50,000 in rebuilding and equipping its malleable cast iron foundry. The plant was burned several years ago. The work of rebuilding begins at once.

HATTIESBURG, MISS.—Hattiesburg Furniture & Mfg. Co. will establish plant for the manufacture of mattresses. W. T. Temple is Mgr.

CHATTANOOGA, TENN.—Omar Stoppel and W. J. Boswell, representing a Cleveland, O., syndicate, are here to complete preliminary arrangements for the location of a brewery to cost $200,000. Mr. Stoppel will be manager.

JACKSON, TENN.—Fire destroyed Jackson Woolen Mills; loss, $100,000.

SOUTH PITTSBURG, TENN.—C. A. D. Baris & Co. will build a planing mill to be equipped with the latest improved machinery.

KNOXVILLE, TENN.—The plant of the Knoxville Coffin Co. was destroyed by fire; loss, $25,000.

LOUISVILLE, KY.—The Merchants' Refrigerating Co. is making arrangements to build an ice plant in South Louisville. The plant will have a capacity of not less than 50 tons a day. Cost, about $60,000. John Rohrman is Mgr.

SCOTTSVILLE, KY.—Turner, Day & Co., of Louisville, will erect an axe handle factory here.

ASHTABULA, O.—Oscar C. Evans, of Cleveland, has purchased property of the defunct Ideal Foundry Co., at Ashtabula, and will at once equip it for steel stamping, machine work, etc.

HAMILTON, O.—The Champion Coated Paper Co. has awarded contract for the construction of their new 500,000 plant to the J. F. BENDER CO., of Hamilton.

CLEVELAND, O.—Application has been filed with Building Inspector by the Warner & Swasey Co., for a permit to erect a new five-story factory building on East Prospect St. Cost, $50,000.

LEBANON, IND.—Campbell, Smith & Ritchie will rebuild their planing mill and furniture factory, recently destroyed by fire.

DETROIT, MICH.—The Department Public Works has decided to accept the proposal of Frank Reich to construct and equip ready for use a manufacturing plant for paving brick, with 20,000 daily capacity, for $41,550. J. J. Haarer, Comr.

DETROIT, MICH.—The Cadillac Automobile Co., L. W. Bowen, Secy., 1343 Cass Ave., has had plans made for an addition to its manufacturing plant. Brick, mill construction, 3 stories, 350 × 83 ft. Geo. D. Mason, Arch., 80 Griswold St. Cost, $100,000.

HOYT, KAN.—Bids are asked by F. E. Leupp, Comr. Indian Affairs, Washington, D. C., until Oct. 2 for constructing complete a laundry building at Pottawatomie School, Kan. Geo. L. Williams, Supt., Hoyt.

ST. LOUIS, MO.—H. C. Clymer, Arch., Wainwright Bldg., has made plans and will receive estimates until Sept. 18 for a one-story dairy building, 87 × 138 ft., for the Union Dairy Co. Cost, $25,000.

KANSAS CITY, MO.—The N. S. Dickey Clay Mfg. Co., 217 New York Life Bldg., Kansas City, informs us that they will rebuild the sewer pipe plant recently burned. Fireproof, 3 stories, 80 × 322 ft. Water tube boilers, Corliss engine, and all other necessary machinery for sewer pipe plant, will be required.

AUSTIN, TEX.—The Business League of Austin will consider the proposition made by A. G. Chapman, an attorney, of Buffalo, N. Y., representing a canning company, to establish a canning plant here with a capacity of about 1,000,000 cans per day.

DALLAS, TEX.—The Brown Cracker & Candy Co. has purchased a plot of ground 104 × 150 ft., near present factory, upon which to erect either a two or three-story addition in order to enlarge the capacity of the factory.

GARVIN, IND. T.—It is stated that a $25,000 saw mill will be erected here. J. W. Kirk can inform.

GUTHRIE, OKLA.—The Monarch Fire-Proofing & Sewer Pipe Co., capital stock $300,000, has been chartered. The directors are: B. K. McCloskey and Curtis L. McCloskey, of St. Marys, Pa., and G. V. Pattison, of Guthrie.

CALGARY, ALTA.—R. P. Buchart, of Victoria, B. C., has decided to start cement works here, and is now having plans prepared for plant.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DRY DOCKS.—Lorain, O.—BARNETT & RECORD CO., Minneapolis, Minn., were awarded contract for construction of dry docks at this place.

READERS' WANTS If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

MORTAR MIXERS.—Raleigh, N. C.—The Composite Tile Co., Carolina Trust Bldg., is in the market.

BRICK MACHINERY.—Monroe, N. C.—The Price-Hemby Co., R. F. O. No. 5, Monroe, is in the market.

RAILWAY CARS.—Ark.—F. H. Hartshorn, Pres. F. R. V. & Ind. T. Ry., Fourche (P. O. Esau), Ark., is reported in the market.

STREET SIGNS.—Saranac Lake, N. Y.—Ellwood Wilson, C. E., writes us that he wants names of manufacturers of street signs.

ICE MAKING MACHINERY.—Conway, S. C.—Burroughs & Collins Co., of Conway, S. C., and the Starke Ice Co., of Starke, Fla., are in the market.

ROAD BUILDING SUPPLIES.—Texarkana, Ark.—W. M. Paup, Acting Chn. Bldg. Com., is reported in the market for supplies for building a mile of macadam road.

GASOLINE MOTOR CAR.—Flint, Mich.—Jas. Slocum, of Flint, writes us that he wishes to secure names of firms manufacturing gasoline motor power cars.

SAW MILL MACHINERY.—Mexico.—G. D. Fraser, of Cordoba, V. C., Mex., writes us that he is interested in saw mill machinery, and wishes to receive data concerning the same.

CRUSHERS.—New York, N. Y.—Mr. Seymour, care C. E. Cornell, Jr., 3 West 29th St., writes us that he wants the names of manufacturers of crushers suitable for retort carbon.

RAILROAD BRIDGES.—Philadelphia, Pa.—A. L. Register & Co., Engineers and Contractors, 112 North Broad St., write us that they want the addresses of dealers in second-hand railroad bridges.

ENGINEERING SPECIALTIES AND SUPPLIES.—Cleveland, O.—Frazier, Fox & Spencer, Consult. Engrs., 718 Rockefeller Bldg., Cleveland, write us that they want catalogues for filing purposes.

GALVANIZED ANGLE IRON FOR CONCRETE CURBS.—Morristown, N. J.—Walter S. French, Contractor, of Morristown, writes us that he wishes to be placed in communication with manufacturers of the above.

LOOSE-LEAF NOTE BOOKS.—Wilkesbarre, Pa.—A. B. Jessup, Div. Engr., L. V. Coal Co., writes us that he wants the names of makers of loose-leaf note books of standard size for Am. Soc. Mech. Engr. papers.

BUILDING MATERIAL.—It is stated that J. T. Harris, Spartanburg, S. C.; I. A. Young, Bank of Watertown, Watertown, Tenn., and Ashpole Drug Co., Ashpole, N. C., are in the market for building supplies.

CORE DRILL.—Tulsa, Ind. T.—Jas. Bowen, Secy. and Treas. Wash. Lead & Zinc Mining Co., of Tulsa, writes us that the company is in the market for a core drill for use in prospecting for ore on its property in Arkansas.

ELECTRIC RAILWAY CONTRACTORS.—Lima, O.—John H. Camp, of Camp & Carner, Lima, writes us that he wishes to be placed in correspondence with contractors who will undertake the construction of about 400 miles of electric road.

CHEMICAL FIRE ENGINES.—Randolph Center, Vt.—E. C. McMurphy, of Randolph Center, writes us that he wants the names of manufacturers of chemical fire engines, as he is in the market for the same, the village requiring them for fire protection.

HEATING APPARATUS.—It is reported that heating apparatus is wanted by J. H. Ford, 241 South Main St., Memphis, Tenn.; J. G. Kellum, Secy., B. & B. Institute, St. Augustine, Fla., and J. K. Taylor, Supervising Arch., Washington, D. C.

ELECTRIC SUPPLIES.—Woodward, Okla.—The Woodward Cotton Co., of Woodward, Okla.; the Clinton W.-W. & El. Lt. & P. Co., Clinton, Tenn.; Capt. O. W. Butt, Q. M., U. S. A., War Dept., Washington, D. C., are in the market for various electric supplies.

MINING MACHINERY AND SUPPLIES.—Philadelphia, Pa.—The Piedmont Mining & Metallurgical Co., E. W. Siegmann, 1136 Columbia Ave., Philadelphia, and Adair & Higginbotham, P. O. Box 24, West Point, Ga., are reported as in the market for all kinds of mining machinery and miners' supplies.

GARBAGE CREMATORY.—Liberty Heights, N. Y.—Ernest C. White, Engr., Loomis Sanatorium, Liberty Heights, Liberty, Sullivan Co., N. Y., writes us that he wishes the addresses of manufacturers of incinerating apparatus. It is expected to put in an incinerator at the sanatorium for burning rubbish, etc.

BOILERS AND ENGINES.—It is stated that boilers or engines are wanted by the Clinton W.-W. & El. Lt. & P. Co., Clinton, Tenn., W. S. Shallenberger, Acting P. M. Gen., Washington, D. C.; B. Johnson, 112 No. 3d St., Temple, Tex.; Jacksonville Press Brick Co., Jacksonville, Tex.; L. R. Knight, Fort White, Fla.; J. R. Howes, Atkinson, N. C., and Robt. Holt & Co., Fort Gibson, I. T.

RAILWAY SUPPLIES, EQUIPMENT, STEEL PILING, ETC.—New Jersey.—A correspondent connected with certain government work writes us that he is preparing estimates for about a mile of railway track to be used by the U. S. Government. Our correspondent states that there will be required 60-lb. rails, splice bars, bolts, spikes, cross ties (yellow pine), steel piling, etc. Itemized prices are wanted at once per ton, per keg, per tie, etc., as the case may be. Address, immediately, "J. H. P.," care Engineering News, 220 Broadway, New York.

GASOLINE AND OIL ENGINE.—Bakersfield, Cal.—W. F. Whitaker, of the Kern County Land Co., writes us that he wishes to learn where he can find data relating to the kind of engine used in the railway gas, gasoline and crude oil motor trains now being built and experimented with for local and suburban service. Addresses of firms making engines using crude oil, or oil explosively, are wanted.

OUTFITS FOR TESTING FOUNDATION SITES.—Limestone (Clarion County), Pa.—J. C. L. Fish writes us that he wants the name of firms making outfits for testing foundation sites quickly and cheaply. It is required to go through rock and to be a portable machine.

SUBWAY.—Little Falls, N. Y.—Contract for the new Central New York Telephone Co.'s subway has been awarded to HOLLINAN BROS., of this city.

DUMP BOAT.—Wheeling, W. Va.—Bids are asked until Oct. 6 for furnishing and delivering one dump boat for Kanawha River, W. Va. Major Geo. A. Zinn, U. S. Engrs.

DREDGING.—Portland, Me.—Bids are asked until noon Oct. 9 for dredging in Cobbscheco River, N. H. Lt.-Col. Chas. M. Black, U. S. Engrs. (Advertised, Engineering News.)

DREDGING.—New York, N. Y.—Bids are asked until Sept. 29 for dredging in Woodbridge Creek, N. J. Capt. R. Livermore, U. S. Engrs. (Advertised, Engineering News.)

FENCE.—Chicago, Ill.—Bids are asked by G. B. Young, Custodian, U. S. Marine Hospital, until 2 p. m. Sept. 19, for completing north boundary fence wall of U. S. Marine Hospital reservation, Chicago.

PIER WORK.—Grand Rapids, Mich.—Bids are asked until 3 p. m., Oct. 1 for construction and repair of pier, Muskegon, Mich. Col. M. B. Adams, U. S. Engrs. (Advertised, Engineering News.)

DREDGING.—Columbus, Ohio.—Board Public Works, C. E. Perkins, Engr., has rejected all bids received for deepening and Bids were considered too high.

WHARF.—Philadelphia, Pa.—Reduction Co., A. E. Peterson, Pres., 14 South Broad St., has applied to Board of Port Wardens for leave to build a wharf in the Schuylkill River between 49th and 50th Sts.

TELEPHONE IMPROVEMENTS.—Grand Rapids, Mich.—Citizens' Telephone Co., C. F. Rood, Pres., E. B. Fisher, Sec., has increased capital stock by $1,000,000, this sum to be used, it is said, for improvements.

DREDGING.—Los Angeles, Cal.—Contract for dredging outer bar at San Pedro Harbor for U. S. Government is stated to have been let to CAPT. A. POLHAMUS, San Pedro, Cal. About $75,000 is involved in contract.

CEMENT.—New York, N. Y.—Bids are asked at U. S. Engineers Office, Army Bldg., New York, until noon Oct. 10 for furnishing 6,500 bbls. Portland cement for Guantanamo Bay, Cuba. (Advertised, Engineering News.)

WIRE FENCE.—Denver, Colo.—Bids are asked by Col. C. A. H. McCauley, Constructing Q. M., Denver, until 11 a. m., Sept. 30, for labor and material for constructing about 25 miles of barbed wire fence at Fort Douglas, Utah.

LEVEE WORK.—Wayland, Mo.—Contracts for repairing and raising Des Moines and Mississippi Levee have been awarded as follows: W. F. BARTLETT and G. W. HILL, about 8-10 of the work; GEORGE BROWN, ten stations; W. E. BATES, five stations.

WHARF.—New Haven, Conn.—The construction of a wharf on Kimberly Ave., at West Branch of West River, at a cost of $150,000, is reported under consideration. Chamber of Commerce, Rollins S. Woodruff, Pres., is reported to have taken up the matter.

WHARF, ETC.—California City Point, Cal.—Bids are asked by Bureau of Equipment, Navy Department, Washington, D. C., until 11 a. m., Oct. 25, for wharf and double cottage at U. S. Naval Coal Depot, California City Point, Cal. (Advertised, Engineering News.)

COBBLESTONE.—New York, N. Y.—Bids are asked by Maurice Featherson, Comr. Docks, Pier A, Battery Pl., until 2 p. m., Sept. 22 for furnishing labor and materials required for furnishing, delivering and putting in place about 15,000 cu. yds. of small cobblestone.

PIER.—New Haven, Conn.—Samuel A. Speck, Frederick Dorsey and Maurice Shapiro, who are interested in the Old Mill, at Savin Rock, and other amusement enterprises in New England, are reported to be projecting the construction of a $125,000 pier at Savin Rock.

WASH BORINGS.—New York, N. Y.—Specifications for making wash borings for Board of Rapid Transit Commissioners of New York City, may be seen at office of Engineering News, 220 Broadway, New York. Bids are asked until Sept. 20, as is advertised in Engineering News.

BOILERS.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts, until 10 a. m., Sept. 26, for delivery and installation of three water tube boilers and machinery for power house at Naval Hospital, Washington, Schedule 131. H. T. B. Harris, Paym.-Gen., U. S. N.

BREAKWATER.—Newport, R. I.—Following bids were received Aug. 30 by Col. J. M. Willard, U. S. Engrs., for extensions of shore arm of Point Judith breakwater, R. I.: Rockport Granite Co., Pigeon Hill Granite Co., Rockport, Mass., $185,975; N. S. Bollen & Sons, Hartford, Conn., $232,875; John F. Donovan, New York City, $182,500.

CONDUIT.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until 10 a. m., Sept. 19, for the following under Schedule 130: Furnishing a quantity of concrete or yellow pine conduit and steam mains, and to construct extension to boiler house at naval training station, Newport, R. I. H. T. B. Harris, Paym.-Gen., U. S. N.

LEVEE.—Santa Ana, Cal.—We are advised that District for improving channel of Santa Ana River by constructing earth levee, has not been organized yet. No steps to prepare plans or let contracts will be made until organization is complete. There is some doubt about the work, which would cost $80,000, being carried out. S. H. Finley is County Surv.

FANS, CABLE, BRICK, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts, until Sept. 26 for furnishing a quantity of naval supplies, among which are the following: Schedule 125, ventilating fans, cable, electrical supplies, cast-iron pipe, etc.; Schedule 126, incandescent lamps, voltmeters, sand, fire brick, etc. H. T. B. Harris, Paym.-Gen., U. S. N.

DERRICK.—Washington, D. C.—Following bids were received Sept. 9 by Bureau Yards and Docks, for self-propelling derrick for naval station, Guantanamo, Cuba, (1) bid under item 1, (2) bid under item 2: Roderond Brothers, Tompkins Grove, N. Y., (1) $13,650, (2) $[illegible], delivery at New York; Snare & Triest Co., 143 Liberty St., New York, (1) $2[illegible], (2) $4,000; William L. Miller, 19 Milk St., Boston, Mass., (1) $19,-690, (2) $4,1[illegible].

PIPE LINE.—Topeka, Kan.—Kansas City Pipe Line Co., of Camden, N. J., has been granted license to transact business in Kansas. The company, which is capitalized at $3,000,000, with $600,000 paid up, proposes, it is said, to build a pipe line from the Kansas natural gas fields to Kansas City. Paul Thompson, Bryn Mawr, Pa., is Pres. and F. H. MacMorris, Philadelphia, Pa., Secy. E. L. Brunder, Harverford, Pa., and J. D. Buzby, Camden, N. J., are Directors.

BREAKWATER EXTENSION. — Grand Rapids, Mich.—Following bids were received Sept. 6 by Col. M. B. Adams, U. S. Engrs., for extension of west breakwater, improving harbor, at Pentoskey, Mich.: L. G. Smith & Co., Muskegon, Mich., $12,947; Burg, Smith & Nelson, Muskegon, Mich., $13,182; Bennett & Schorbach, Muskegon, Mich, $13,-250; Robert Love, Muskegon, Mich., $13,466; MacDonald & Beauvais, Muskegon, Mich., $13,609. Itemized bid of lowest bidder is given under Contract Prices.

LOCK AND DAM.—Nashville, Tenn.—Following bids were received Aug. 31 by Major H. C. Newcomer, U. S. Engrs., for construction of Lock and Dam No. 21, Cumberland River: (1) total using cement in sacks, (2) total using cement in barrels: Ohio River Contract Co., Parkersburg, W. Va., (1) $282,759, (2) $288,530; Continental Engineering & Contracting Co., Buffalo, N. Y., (1) $210,349, (2) $215,658; J. G. White & Co., New York, (2) $294,420. Itemized bids are given under Contract Prices.

PIER.—Boston, Mass.—Following bids under item 1 were received Sept. 9 by Bureau Yards and Docks, Washington, D. C., for Pier No. 2, Boston Navy Yard: William L. Ellis, 17 Milk St., Boston, Mass., $47,856; William J. Lawler, 16 City Sq., Charlestown, Mass., $58,608, $38,600 plus 32 cts. per cu. yd., scow measurement, for dredging; William L. Miller, 19 Milk St., Boston, Mass., $59,987; Bernard Rolf, 39 Cortlandt St., New York, $39,333 plus 33 cts. per cu. yd., scow measurement, for dredging.

SCALES.—Portsmouth, N. H.—Following bids were received Sept. 2 by Bureau Yards and Docks, Washington, D. C., for railroad and wagon scales, Navy Yard, Portsmouth: O'Brien & Hoolihan Contracting Co., 1722 Park St., Syracuse, N. Y., item 1, $3,887; Harry D. Priest, 145 Franklin St., Boston, Mass., item 3, $610, for wagon scale alone. $25; The Fairbanks Company, 38-42 Pearl St., Boston, Mass., item 2, $900, item 3, $662; Buffalo Scale Company, 81 Scott St., Buffalo, N. Y., item 2, $2,215, item 3, $1,629, item 5, $1,150; The Standard Scale & Supply Co., 243 Water St., Pittsburg, Pa., item 2, $825.

MEXICO.

The names of parties awarded contracts are printed in capital letters.

COLONY.—Tampico.—R. T. Elliott, of Belton, Tex., has purchased 5,000 acres of land on the Panuco River, 150 miles from Tampico, upon which a colony will be established.

ELECTRIC PLANT.—Allende, Coahuila.—A new electric light and power plant is to be installed at Allende. The organization of the company was promoted by Enrique Guerra, of Ciudad Porfirio Diaz, state of Coahuila.

SEWER SYSTEM.—Parrall.—Plans for the sewer system, to be installed at a cost of $25,000 in this city, have been approved by Governor Creel of Chihuahua, and it is expected that construction work will be commenced soon.

ELECTRIC RAILWAY.—Chihuahua.—J. W. Conger, City of Chihuahua, has secured an option on the street railway system and electric light and power plant, of the City of Chihuahua, and proposes, with the aid of American capital, to soon substitute electricity for the mule power which is still utilized there.

WATER SYSTEM.—Ciudad Juarez.—Bids will be received at Ciudad Juarez, Chih., until 6 p. m., Oct. 24, for labor and material necessary for complete construction and installation of a water system for this city, the population of which is 7,000. Work includes water system, pumps and pumping machinery, electric motor and steel tank and tower. S. Montemayor, Cy. Mayor.

RAILROAD.—City of Mexico.—A syndicate of American capitalists represented in Mexico by W. G. Seaver have bought the San Raifel & Atlixco R. R. for $3,000,000. The Rafael & Atlixco R. R. for $3,000,000. The sions for the construction of a railroad from this city to Sole Point on the Isthmus of Tehuantepec. The San Rafael & Atlixco will be used as a link in this proposed new line.

POWER PLANT.—City of Mexico. — Lic. Modesto R. Martinez, on behalf of Andres Matienzo, has been granted a concession to utilize the waters of the Atoyac River, in the state of Puebla, for motive power purposes. According to the terms of the concession a maximum of 4,000 liters per second of the waters of the Atoyac in the municipality of Texmelucan, district of Huejotzingo, Puebla, can be used.

POWER PLANT.—City of Mexico.—E. T. Hovelman, an American, of Chinipas, Arteaga District, Chihuahua, has applied for a concession to use the water of the Chinipas River for motive power purposes. Mr. Hovelman, it is said, will acquire some important mining properties in the Chinipas district, and intends to install an electric plant near the river, to properly exploit his mines and also to operate a reduction plant, which he is to establish.

POWER PLANTS, FACTORY, ETC.—City of Mexico.—The Department of Fomento has been petitioned to grant the following concessions: Successors to the business of Patrico Molinc & Sons ask concession for use of waters of El Aura and El Pedregoso Rivers for irrigation purposes; propose to erect dams and reservoirs at Oballs. W. W. Graham asks concession to establish in Mexico a factory for the making of a preparation of chloride of zinc to be used in the preservation of wood ties, poles, etc. Luis E. Reyes, City of Mexico, asks concession for use of waters of Salto de Agua and Los Naranjos Rivers for electric power purposes. Salvador Jose Ayanegui has asked for a concession for the use of the waters of the Ameca River to supply water and water power to several smelters which he proposes to establish along the banks of the river, in the municipality of Amatlan de Canas, at a point called Las Garzas. Juan Simon Rodriguez has asked for a concession of the waters of the Laguna de Catemaco in the state of Vera Cruz, for the purpose of forming a dam for the production of electric power.

POWER PLANTS.—City of Mexico.—The Mexican-American Power Co., composed of Philadelphia, Pa., capitalists, will erect a series of electric power plants near this city and will build transmission lines to provide power for operating industries here and in a number of the towns adjacent to the power plants. It is said that $10,000,000 gold is to be invested in the enterprise. The first instalment of $1,500,000 in cash is stated to have been paid in and all preliminary plans are reported completed for the immediate construction of the power plants. The main plant will be located on the Malinaltenango River, near Toluca. Other power plants will be erected on the Meyuce and Tizates Rivers. According to the reports of engineers who have investigated the water supply and fall of these rivers the three plants will be able to generate not less than 90,000 HP. The initial plant will have a capacity of 10,000 HP. The falls in these rivers are so great that it will not be necessary to construct dams or long canals. By digging a short canal the water from the Malinaltenango River will be dropped into a barranca, or basin, a distance of 820 ft., and thus afford the necessary power for the electric generating plant. The concession under which this electrical power enterprise is to be established was obtained by Ricardo Marin from the Federal government in 1888. It embraces a blanket franchise covering the whole of the City of Mexico for electric power and lights. Mr. Marin transferred the concession to William Mackenzie, a prominent railroad man of Mexico, and the latter after several years of constant effort has succeeded in interesting American capital in carrying out the project on the gigantic scale originally proposed. In addition to the transmission line that will be built to this city other lines will be built to Toluca, El Oro and a number of other towns and mining centers in this part of the country. Joel H. De Victor, of Philadelphia, is President of the company; A. S. Harvey, of the same city, is vice-President.

FOREIGN CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

RAILWAY.—Portugal-Angola. — The government will construct a 60 centimeter gage railway from Mossamedes to the table land of Chella. An expenditure of about $1,500,-000 having been authorized for this purpose.

WATER-WORKS, ETC.—Natal.—An act has been published granting Durban Town Council power to increase the water supply of that town, and to construct necessary water mains, reservoirs, tunnels, conduits, etc.

RAILWAY.—Bulgaria.—Advices from Sofia report that the contract for constructing 72 kilometers of the Trans-Balkan Ry., connecting the valleys of the Danube and the Naritza, has been awarded to a Bulgarian company for about $2,900,000.

ELECTRIC TRAMWAYS. — India. — The Singapore Electric Tramways, Ltd., will electrically equip the Singapore tramways. The East India Construction Syndicate has been formed in connection with the first named company to take over and re-equip all the other tramways in Singapore and in other ports of the Straits Settlements.

RAILWAYS. — Santo Domingo. — Decrees have been enacted by this republic providing for the setting apart from Jan. 1, 1906, of 30% of the revenue received from exportations, the proceeds to be devoted to the construction of railways. The government, in arranging contracts and giving concessions to construct railroads will endeavor, under equal conditions to grant them on an equal basis, giving preference to the railroad from Moca to Monte Christi, connecting with the Dominican Central Railroad; from Barahona to Laguna del Fondo; from the Romano or Macoris del Este to the Seybo; and from Azua to Bánica.

MACHINERY.—Brazil.—The State of Sao Paulo will publish shortly an offer of prizes of considerable amount for satisfactory machinery to be used in connection with the cultivation, picking, and winnowing of coffee. Successful competitors are not only to receive the prize, but will also be given a monopoly of the sale of the machines for a considerable time. The government indorsement of the inventions, combined with the selling monopoly in a State which produces 40% of the coffee crop of the world would seem to offer an advantageous field for this kind of machinery. Dr. Carlos Botelho, Sao Paulo, State of Sao Paulo, is Comr. of Agriculture, Commerce and Public Works.

RAILWAYS.—Colombia. — A contract has been entered into between J. T. Ford, Manager, Cartagena Carrying Co.s and the Colombian Government for the construction of various railways along and connected with the Magdalena River. The contract relates to the building of a railway extending from "La Maria" (also called La Dorada), the terminus of the present Honda-La Dorada railroad, to the port of Puerto Berrio, forming thus a line 103½ miles in length, on left bank of the Magdalena River; a further extension from Puerto Berrio to the mouth of the Carare River, a distance of 18 miles; a railway completing the connection between Puerto Berrio and the city of Medellin, capital of the Department of Antioquia, the second commercial center of this Republic. This entails the completion of the enterprise known as the Antioquia Railway.

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

WATER MAINS.—New York, N. Y.—Following bids were received Sept. 6 by John T. Oakley, Comr. Water Supply, Gas and Electricity, for furnishing, delivering and laying water mains in Ann and other streets; (1) Jno. Cornwell, 69 East 127th St., New York, (2) Cunningham & Kearns, 438 East 91st St., New York, (3) Louis D. Gregory, 125th St. and 1st Ave., New York:

Bids received at New York, N. Y., Sept. 7, 1905, by John T. Oakley, Comm. Water Supply, Gas and Electricity for Furnishing, Delivering and Laying Water Mains in Ann and Other Streets.

Items.	Quantities.	(1)	(2)	(3)
Straight pipe, furnish and deliver	1,800 tons	$30.00	$27.50	$36.00
Branches and special castings, furnish and deliver	105 tons	70.00	62.00	70.00
Rock excavation, without blasting	100 cu. yds.	10.00	5.00	.01
Rock excavation	700 "	5.00	.40	.01
Masonry excavation, without blasting	2,100 "	.60	.40	2.00
Earth excavation	29,000 "	.60	.40	.60
Filling	29,300 "	.40	.40	.35
12-in. pipe to lay	36,000 lin. ft.	.50	.40	.35
6-in. pipe to lay, including whitewood plugs	10,700 "	.30	.20	.17
20-in. by 12-in. connections to make without shutting off the water	8	175.00	100.00	120.00
16-in. by 12-in. connections to make without shutting off the water	7	160.00	100.00	100.00
12-in. by 12-in. connection to make without shutting off the water	1	150.00	100.00	100.00
12-in inside screw stopcocks and boxes, furnish, deliver and set	104	90.00	80.00	80.00
6-in. outside screw stopcocks and boxes, furnish, deliver and set	275	45.00	36.00	37.00
Double-nozzle Standard New York hydrants and appurtenances, including lead-lined drain pipe, furnish, deliver and set	275	60.00	45.00	40.00
Brick masonry	25 cu. yds.	20.00	10.00	25.00
Concrete masonry	10 "	6.00	10.00	8.00
Sheet of block asphalt pavement and artificial stone sidewalk including foundation, relay and restore	3,160 sq. yds.	4.50	4.25	4.30
Granite block pavement on concrete foundation, and tar and gravel or cement joints, relay and restore	8,550 "	1.50	2.00	1.80
Wood block pavement on concrete foundation, relay and restore	640 "	3.50	4.00	3.00
Pavement and flagging, relay and restore	3,000 "	.50	.50	.50
Curb and gutter, reset	3,700 lin. ft.	.01	.05	.01
Sheet piling that may be left in the work, by direction of the engineer	500 ft. B. M.	20.00	30.00	30.00
Totals		$195,137	$169,625	$187,642

*CORBETT TUNNEL.—Billings, Mont.—Following bids were received Sept. 6 by U. S. Reclamation Service, A. J. Wiley, Consult. Engr.; H. N. Savage, Supervising Engr.; Jeremiah Ahern, District Engr.; Chas. P. Williams, Engr., for construction of Corbett Tunnel, Shoshone Project, Wyo.; (1) Chas. Spear, Billings, Mont.; (2) J. G. White & Co., New York, (3) Patrick McDonnell, Duluth, Minn., (4) W. C. Bradbury, Denver, Colo., (5) Rod. D. Leggate, Butte, Mont.:

Bids received at Billings, Mont., Sept. 6, by U. S. Reclamation Service, for the Construction of the Corbett Tunnel.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)
Tunnel, including lining	17,000 lin. ft.	$33.00	$33.60	$34.00	$39.75	$45.00
Open cut excavation	28,000 cu. yds.	.50	.39	.60	.25	.25
Dry rock paving in place	500 "	3.00	3.20	5.00	3.00	2.25
Gravel filling under rock paving	250 "	1.50	.40	1.00	.75	1.00
Concrete in portals	400 "	7.00	7.80	6.00	6.00	8.00
Placing material in embankment	19,000 "	.35	.45	.40	.30	.30
Sluicing tunnel, lined	250 lin. ft.	20.00	10.30	30.00	23.00	22.00
Shaft, pipe, gate and gate house on sluicing tunnel		3,000	1,685	5,000	2,250	3,000
Total		$594,325	$599,750	$620,050	$700,537	$790,775

*SHOSHONE DAM.—Billings, Mont.—Following bids were received Sept. 5 by U. S. Reclamation Service, A. J. Wiley, Consult. Engr.; H. N. Savage, Supervising Engr.; Jeremiah Ahern, Dis. Engr., and D. W. Cole, Constructing Engr., for construction of Shoshone Dam, Shoshone Project, Wyo.; (1) Prendergast & Clarkson, Chicago, Ill., (2) Patrick McDonnell, Duluth, Minn., (3) Chas. Spear, Billings, Mont., (4) W. C. Bradbury, Denver, Colo.:

Bids received at Billings, Mont., Sept. 5, 1905, by U. S. Reclamation Service, for the Construction of the Shoshone Dam.

Items.	Quantities.	(1)	(2)	(3)	(4)
Concrete: Base of dam	19,000 cu. yds.	$4.75	$4.25	$7.50	$7.25
Portion of dam above base	50,000 "	4.00	4.25	5.75	6.25
Outlet tunnel	480 lin. ft.	36.00	50.00	30.00	56.00
Temporary diverting works:					
Excavation for foundation of dam, Class I	32,000 cu. yds.	1.60	3.25	2.00	4.50
" " " Class II	3,000 "	2.50	3.50	2.00	5.00
" " " Class III	1,000 "	3.50	3.50	2.00	8.00
" " " Class IV	6,000 "	2.00	3.50	2.00	4.00
Spillway: Open-cut excavation	28,000 "	1.95	1.25	1.20	1.30
Tunnel Excavation	7,000 "	5.50	9.00	2.50	4.40
Road tunnel	150 lin. ft.	26.00	40.00	18.00	27.00
Total		$515,730	$620,250	$627,200	$787,380

*LOCK AND DAM.—Nashville, Tenn.—Following bids were received Aug. 31 by Major H. C. Newcomer, U. S. Engrs., for building concrete Lock and Dam No. 21, Cumberland River; (1) Ohio River Contract Co., Parkersburg, W. Va., (2) Continental Engineering & Contracting Co., Buffalo, N. Y., (3) J. G. White & Co., New York:

Bids received at Nashville, Tenn., Aug. 31, 1905, by Major H. C. Newcomer, U. S. Engineers, for Building Concrete Lock and Dam No. 21; Cumberland River, above Nashville, Tenn.

Lock, Abutment, Etc.		(1)	(2)	(3)
Earth excavation, 31,850 cu. yds.	per cu. yd.	$0.50	$0.48	$0.50
Rock excavation, 935 cu. yds.	" "	2.00	2.00	2.60
Embankment, 26,570 cu. yds.	" "	.33	.44	.33
Concrete, 18,732 cu. yds	" "	7.25 7.50	5.22* 5.45†	8.50†
Rip-rap, hand placed, 13,506 cu. yds.	" "	4.50	2.35	3.25
Paving, 650 cu. yds	" "	6.00	2.65	4.50
Stone filling, 8,500 cu. yds	" "	2.50	1.94	1.95
Puddling, 800 cu. yds.	" "	2.50	1.50	1.30
Oak timber, 1,440 ft. B.M.	per M. ft. B.M.	90.00	65.00	92.00
Pine timber, 7,550 ft. B.M.	" "	60.00	60.00	65.00
Bolt holes, 50 lineal ft.	per lin. ft.	1.00	.50	.39
Total Cost, Lock, Abutment, etc.		$250,930* $255,613†	$178,353* $182,661†	$251,423†
Dam.		(1)	(2)	(3)
Earth excavation, 370 cu. yds.	per cu. yd.	$0.50	$1.10	$1.20
Rock excavation, 50 cu. yds.	" "	2.00	3.50	2.60
Concrete, 4,351 cu. yds.	" "	7.25* 7.50†	7.22* 7.46†	9.75†
Total Cost, Dam		$31,830* 32,917†	$31,999* 32,997†	$42,996†
Grand Total Cost		$282,759* 288,530†	$210,349* 215,658†	$294,420†

* Using cement in sacks. † Using cement in barrels.

BRICK SEWER.—Chicago, Ill.—Following bids per lin. ft. were received Aug. 31 by Department Public Works for constructing approximately 1,920 ft. 5½ ft. four-ring brick sewer, 13 ft. cut, in 63d St.: Nash Bros., 84 La Salle St., $16.30; Thos. F. Burke, 1901 McLean Ave., informal; Thos. F. Drury, Chamber of Commerce, $16.40; Wm. F. Healy, 88 Washington St., $17. All bidders of Chicago. Frank Murphy, Contract Clk.

*SEWERS.—Newton, N. J.—Bids were received Sept. 2 by Town Committee, Morris C. Sipple, Town Clk., for laying about seven miles of pipe sewers, for furnishing about seven miles of sewer pipe, and for building complete two sewage purification plants. Williams & Whitman, Inc. Engrs., New York. For furnishing sewer pipe, the bidders, in addition to those given in the table below, were as follows: M. J. Drummond & Co., $9,633; St. Mary's Sewer Pipe Co., $9,569; G. B. Raymond & Co., $9,569; Arthur N. Pierson & Co., $9,560; Union Sewer Pipe Co., $9,320; F. Bowden, $9,583; Patton Clay Mfg. Co., $9,519; L. F. Niff & Co., $9,576. For laying sewers, the bidders, in addition to those given in the table below, were as follows: Jas. H. Clements & Son, $83,402; Bell Engineering & Construction Co., $51,382; Unique Construction Co., $57,349; Bowman Bros., $56,396; Alfred F. Lutz, $68,950. Bids for the building of the two sewage purification plants were as follows: (1) Clinton Disposal Plant, (2) Diller Disposal Plant, (3) total: Engineers' estimate, (1) $21,500, (2) $8,870, (3) $30,430; Carhart & Bindernagle, (1) $14,400, (2) $7,000, (3) $21,400; Thos. E. Vermilye, (1) $17,000, (2) $13,000, (3) $30,000; A. Costa, (1) $18,500, (2) $11,300, (3) $29,800; Bell Engineering & Construction Co., (1) $30,235, (2) $16,318, (3) $46,553; Allen & Wolfe, (1) $28,600, (2) $12,400, (3) $41,000; Robt. W. Smith, (1) $26,800, (2) $12,400, (3) $39,200; Hinman & Sproul, (1) $19,637, (2) $9,981, (3) $29,618; Unique Construction Co., (1) $10,-166, (2) $22,453, (3) $32,619; Bowman Bros., (1) $42,558, (2) $18,421, (3) $60,979. For furnishing and laying pipe, etc., the following bids were received: (1) Engineer's estimate, (2) Carhart & Bindernagle, (3) Thos. E. Vermilye, (4) A. Costa, (5) Wilkesbarre Construction Co., (6) Allen & Wolfe:

BIDS RECEIVED AT NEWTON, N. J., SEPTEMBER 2, 1905, FOR CONSTRUCTION OF SEWERS.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)	(6)
Laying 8 in. sewer pipe	26,920 ft.	$0.40	$0.70	$0.45	$0.40	$0.56	$0.59
Laying 10-in. sewer pipe	7,400 ft.	.44	.80	.48	.40	.62	.78
Laying 12-in. sewer pipe	3,010 ft.	.49	.80	.48	.50	.58	1.00
Laying 15-in. sewer pipe	1,380 ft.	.55	1.00	.55	.55	.61	1.50
Laying 8-in. x 5-in. Y-branches	1,450 pieces	.02	.90	.10	.10	.25	.05
Laying 10-in. x 5-in. Y-branches	380 pieces	.0345	1.00	.10	.15	.25	.05
Laying 12-in. x 5-in. Y-branches	95 pieces	.04	1.00	.10	.15	.25	.05
Cast iron pipe, per ton	4 tons	35.00	325.00	25.00	30.00	40.00	30.00
Furnishing 8-in. sewer pipe	26,920 ft.	.165	.165	.17	.165	.165	.18
Furnishing 10-in. sewer pipe	7,400 ft.	.2475	.2475	.255	.2475	.2475	.26
Furnishing 12-in. sewer pipe	3,010 ft.	.33	.33	.34	.33	.33	.35
Furnishing 15-in. sewer pipe	1,380 ft.	.513	.513	.53	.513	.513	.54
Furnishing 8-in. x 5-in. Y-branches	1,450 pieces	.7217	.73	.775	.7491	.6975	.75
Furnishing 10-in. x 5-in. Y-branches	380 pieces	1.0781	1.10	1.17	1.1315	1.054	1.12
Furnishing 12-in. x 5-in. Y-branches	95 pieces	1.4191	1.45	1.55	1.4983	1.395	1.47
Concrete, per cu. yd.	50 yds.	6.00	7.00	4.00	5.00	6.00	4.00
Rock excavation, per cu. yd.	11,000 yds.	2.90	2.00	4.50	4.00	2.25	.75
Manholes	90	50.00	40.00	50.00	30.00	45.00	45.00
Flush tanks	27	100.00	100.00	110.00	75.00	125.00	120.00
Flushing manholes	6	60.00	50.00	55.00	105.00	60.00	50.00
Lumber, per M. ft.	10,000 ft. B.M.	30.00	20.00	25.00	25.00	10.00	30.00
Total, Construction		$56,504	$60,782	$75,912	$66,183	$55,827	$43,261
Total, Pipe		$9,565	$9,589	$9,934	$9,633	$9,519	$10,221

WATER MAINS.—New York, N. Y.—Following bids were received Sept. 7 by John T. Oakley, Comr. Water Supply, Gas and Electricity, for furnishing, delivering and laying water mains in Morningside Ave. and other streets; (1) Clinton Beckwith, 27th St., near 6th Ave., New York, (2) Gallo & Pettelli, 127 Mulberry St., New York, (3) Jno. Cornwell, 69 East 127th St., New York, (4) L. D. Gregory, 127th St. and 1st Ave., New York, (5) Cunningham & Kearns, 438 East 91st St., New York, (6) Jos. Burns, 1909 Amsterdam Ave., New York:

BIDS RECEIVED AT NEW YORK, N. Y., SEPT. 7, 1905, BY JOHN T. OAKLEY, COMR. WATER SUPPLY, GAS AND ELECTRICITY, FOR FURNISHING, DELIVERING AND LAYING WATER MAINS ON MORNINGSIDE AVE. AND OTHER STREETS.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)	(6)
Straight pipe, furnish and deliver	1,530 tons	$26.75	$32.00	$29.00	$34.00	$27.50	$28.75
Branches and special castings, furnish and deliver	51 tons	58.00	65.00	60.00	70.00	62.00	60.00
Rock excavation, without blasting	20 cu. yds.	10.00	8.00	10.00	10.00	5.00	5.00
Rock excavation	2,000 "	3.00	3.00	2.00	3.00	.40	.38
Masonry excavation, without blasting	800 "	.50	2.00	1.00	1.00	.40	.38
Earth excavation	28,000 "	.27	.35	.30	.40	.40	.38
Filling	25,200 "	.23	.15	.16	.30	.40	.38
20-in. pipe to lay	2,200 lin. ft.	.45	.30	.70	.60	.58	.50
12-in pipe to lay	24,200 "	.30	.20	.44	.30	.35	.35
6-in. pipe to lay, including whitewood plugs	14,500 "	.18	.16	.22	.20	.19	.20
36-in. by 12-in. connections to make without shutting off the water	2	175.00	200.00	350.00	200.00	200.00	300.00
20-in. by 12-in. connection to make without shutting off the water	1	90.00	150.00	200.00	120.00	100.00	200.00
20-in. by 6-in. connection to make without shutting off the water	1	60.00	150.00	150.00	100.00	100.00	150.00
20-in. stopcock and gearing to furnish	1	275.00	300.00	350.00	320.00	300.00	400.00
12-in inside screw stopcocks and boxes, furnish, deliver and set	94	75.00	87.00	100.00	80.00	80.00	70.00
6-in outside screw stopcocks and boxes, furnish, deliver and set	174	35.00	39.00	50.00	38.00	36.00	37.00
Double-nozzle Standard New York hydrants and appurtenances, including lead-lined drain pipe, furnish deliver and set	150	40.00	39.00	80.00	40.00	45.00	42.00
Blow-off to set	1	15.00	50.00	50.00	10.00	20.00	10.00
Concrete Masonry	20 cu. yds.	15.00	10.00	18.00	15.00	10.00	12.00
Concrete Masonry	10 "	7.50	8.00	6.00	7.00	10.00	7.00
Sheet of block asphalt pavement and artificial stone sidewalk, including foundation to relay and restore	4,000 sq. yds.	3.75	1.23	3.00	4.00	3.50	4.00
Granite block pavement on concrete foundation, and tar and gravel or cement joints, relay and restore	1,650 "	2.00	1.00	1.50	1.50	2.00	2.00
Brick pavement on concrete foundation, relay and restore	15 "	2.00	1.00	2.00	3.00	4.00	3.00
Pavement and flagging, relay and restore	4,000 "	.40	.50	.40	.50	.30	.50
Macadam pavement, relay and restore	400 "	.50	.95	.60	.60	.50	1.00
Curb and gutter, reset	2,200 lin. ft.	.10	.01	.01	.01	.05	.10
Sheet piling that may be left in the work, by direction of the engineer	500 ft. B.M.	25.00	20.00	20.00	30.00	30.00	30.50
Total		$113,029	$110,845	$126,899	$133,091	$118,887	$121,985

*SEWERS.—Ames, Ia.—Following bids were received Aug. 28 by this city, A. B. Maxwell, Cy. Clk., for constructing 3½ miles of sanitary sewers and sub-drains, including manholes, flush tanks, lamp-holes; A. Marston, Engr., Ames:

BIDS RECEIVED AT AMES, IA., AUG. 28, BY THIS CITY, A. B. MAXWELL, CITY CLERK, FOR CONSTRUCTING 3½ MILES OF SANITARY SEWERS.

Bidders.	10-in. Sewer. 2,690 ft.	8-in. Sewer. 14,980 ft.	6-in. Sub-drains. 17,670 ft.	Manholes. 21	Lamp-holes. 21	M. H. and F. T's. 5	Flush Tanks. 2	Totals.
R. C. De La Hunt, Cedar Rapids, Ia.	$1.45	$1.29	.15	.....	$8.00	$90.00	$70.00	.....
Des Moines Bridge & Iron Co., Des Moines, Ia.	1.44	.99	.18½	43.00	14.00	123.00	100.00	$23,985
J. W. Turner, Des Moines, Ia.	1.40	1.02	.18	47.00	15.00	110.00	80.00	24,238
R. E. Jackson, Cedar Rapids, Ia.	1.49	1.18	.20	37.00	11.00	100.00	75.00	26,877
W. A. Edgar, Cedar Rapids, Ia.	1.49	1.30	.16	38.00	10.00	99.00	80.00	27,972
King Lambert Construction Co.	1.46	1.18	.17	42.00	12.00	100.00	75.00	25,882
Lytle Construction Co., Sioux City, Ia.	1.15	1.05	.12	35.00	4.00	90.00	75.00	22,362
Jas. Harrabie Co.	1.57½	1.48½	.05	35.00	50.00	100.00	35.00	29,707
Daily & Brown, Jacksonville, Ill.	1.35½	1.192	....	40.00	21.00	75.00	60.00	.....
W. F. Cook, Des Moines, Ia.	1.50	1.10	.15	35.00	15.00	105.00	60.00	24,759

*CONCRETE CONDUIT.—Salt Lake City, Utah.—Following bids were received Sept. 4 by Board Public Works, Geo. W. Riter, Cy. Engr., for construction of Big Cottonwood Conduit; (1) Gaffy-Keefe Construction Co., (2) R. S. Blome Co., (3) Snow, Clement & Strange, (4) Lynn S. Atkinson, (5) D. B. Brinton (bid informal), (6) P. J. MORAN, Salt Lake City, Utah (awarded contract):

Bids received Sept. 4, 1905, by Board of Public Works, Salt Lake City, Utah, for the construction of Big Cottonwood Conduit.

	(1)	(2)	(3)	(4)	(5)	(6)
Earth excavation, 45,000 cu. yds.	$1.50	$1.55	$ .88	$1.50	$ .70	$ .80
Rock excavation, 6,000 cu. yds.	2.00	3.00	2.75	5.00	2.00	4.95
Earth tunnel, 1,700 lin. ft.	9.00	8.00	7.50	20.00	3.00	4.25
Rock tunnel, 350 lin. ft.	25.00	8.00	14.00	24.00	20.00	11.00
Concrete, 13,000 cu. yds.	17.20	14.00	17.25	10.00	13.50	10.75
Grout, 40,000 sq. yds.	.25	.13½	.07½	.04	.30	.15½
Brick masonry, 200 cu. yds.	15.00	18.00	25.00	15.00	15.00	18.50
Steel reinforcement, 250,000 lbs.	.01	.01½	.03	.02	.03	.03½
Setting iron and steel work, 20,000 lbs.	.01	.01	.03	.01	.04	.07
Totals	$342,850	$289,975	$314,415	$279,700	$254,400	$286,575

*DREDGING.—New York, N. Y.—Following bids were received Sept. 7 by Col. W. R. Livermore, U. S. Engrs., for dredging and rock removal in East River, N. Y.: (1) work at Middle Reef, excavate and dispose of all material, per cu. yd., prism measurement, (2) work at Shell Reef, excavate and dispose of all material, per cu. yd., prism measurement, (3) work at Battery Reef and South Reef, excavate and dispose of all material, per cu. yd., scow measurement: International Contracting Co., 17 Battery Pl., New York City, (1) $30, (2) $2.85, (3) 98 cts.; W. H. Beard Dredging Co., 21 State St., New York City, (1) $8.90, (2) $2.20, (3) $1.95; R. G. Packard Co., 130 Pearl St., New York City, (1) $18.50, (2) $1.46, (3) $1.65; Morris & Cumings Dredging Co., 17 State St., New York City, (2) $1.00, (3) $1.90.

*DRAINAGE WORK.—Miami, Fla.—Following bids per cu. yd., were received Sept. 5 by County Commissioners, E. C. Dearborn, Clk., for drainage work, consisting of (1) excavation of main canal, average cut 9 ft., 1,100,000 cu. yds. sand and muck, (2) laterals, average cut 5 ft., and 20 ft. wide, (3) laterals, average cut 5 ft. and 10 ft. wide; total excavation for (2) and (3) amounts to 307,000 cu. yds. sand and muck; D. D. & C. M. Rogers, Engrs., Daytona, Fla.: Atlantic, Gulf & Pacific Co., Boston, Mass., (1) 17½ cts., per cu. yd.; A. B. Bowers, San Francisco, Cal., (1) 10 cts., (2) 10 cts., (3) 15 cts.; Bowers Southern Dredging Co., Galveston, Tex., (1) 9 cts., (2) 11 cts.; Lake Worth Dredging & Con. Co., (1) 7½ cts., (2) 7½ cts., (3) 12 cts.

*BREAKWATER EXTENSION.—Grand Rapids, Mich.—Bids were received Sept. 6 by Col. M. B. Adams, U. S. Engrs., for extension of west breakwater, Petoskey, Mich.: L. G. Smith & Co., Muskegon, Mich., being low bidder at the following bid: To furnish the following material and secure it in place—Oak timber, 1,296 ft. B. M., $57; white Norway or Southern pine or Douglas fir timber, 57,548 ft. B. M., $32.50; hemlock timber, 143,976 ft. B. M., $22.88; drift bolts, 21,590 lbs., 3¾ cts.; screw bolts, 650 lbs., 6 cts.; spikes, 1,325 lbs., 4½ cts.; stone, 800 cords, $8.50; total, $12,047.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News pages 90, 91, 92.

WATER-WORKS.

REINFORCED CONCRETE RESERVOIR.
Garfield, N. J.

Sealed proposals will be received by the Borough of Garfield, N. J., at 8.00 P. M., Wednesday, Sept. 20th next, for constructing a reinforced concrete reservoir.

Plans and specifications may be seen and blank forms of proposal may be obtained of Leonard A. Troast, Chm. Committee, at 37 Washington Place, Garfield, N. J., or at the office of Wise & Watson, Engineers, 34 Bloomfield Ave., Passaic, N. J.

The bids of contractors only who have had experience in this character of work will be finally considered. A certified check for $500.00 must accompany each bid.

The right to reject any or all bids is reserved.

WM. B. HEPWORTH, Mayor.
LEONARD A. TROAST, Chm.,
CORNELIUS WARNAAR,
ROBERT DIETRICH,
Committee.
WISE & WATSON Engineers. 11-1t

WATER-WORKS.

Cranbury, N. J.

Sealed proposals will be received by Mr. Geo. B. Mershon, Cranbury, N. J., until one o'clock, Monday, Sept. 25th, for the construction of water-works and furnishing the material. Bids will be received in part and as a whole. Specifications can be had upon application from the Engineer. Right reserved to reject any or all bids.

CHAS. S. YORK,
Engineer in Charge.
11-2t Baltimore, Md.

INFILTRATION GALLERY.

Office City Clerk,
Columbus, Indiana.

Sealed proposals will be received at this office up to 8 P. M., Sept. 21st, 1905, for the construction of a wooden infiltration gallery 3 + 8 + 200 feet in White River.

The Common Council reserves the right to reject any or all bids.

11-1t. GEO. VORWALD, City Clerk.

DAM, FOREBAY, AND PIPE LINE.

Sealed proposals will be received by the Water Committee of the Common Council of the City of Danbury until four o'clock in the afternoon, September 25, 1905, at the office of the City Engineer for the furnishing of all labor and materials for the construction of a reservoir-dam, forebay and pipe line.

Plans and specifications may be seen at the office of the City Engineer on and after September 15, 1905. Each proposal must be made on blanks furnished by the City and accompanied by certified check for five (5) per cent. of amount of bid, made payable to the "City of Danbury," Conn., as guarantee that bidder, if successful, will file required bond and execute contract.

The work involves the construction of an earthen dam of clay; puddle and gravel, of some 24,000 cubic yards (more or less); gate house, intake, etc.; approximately 6,200 linear feet or wood stave pipe, 30 inches in diameter; forebay made in excavation and embankment, and 24-inch cast-iron pipe from forebay to City Hall, a distance of about 8,300 linear feet.

The bidder to whom contract is awarded must be prepared to enter into his contract and commence work immediately.

The Committee reserves the right to reject any and all bids. For particulars apply to Committee.

W. G. OLMSTEAD, Chairman,
M. F. KEANE,
D. V. HAIGHT,
Water Committee.
A. L. DAVIS, City Engineer. 11-2t
Dated at Danbury, Conn., Sept. 8, 1905.

PAVING.

Columbus, Ga., Sept. 10, 1905.

Bids will be received until 12.00 M., October 3d, 1905, at the office of Superintendent Public Works, for paving Broad Street, between 10th and 13th Streets. Bids wanted on Asphalt, Vitrified Brick and Bitulithic.

Total amount of paving about 15,000 sq. yds. Plans, specifications and bidding sheet may be had by addressing.

Right is reserved to reject any or all bids.

W. C. CAMPBELL,
Acting Supt. Public Works.
L. A. COMP,
11-1t Chm. Com. Streets and Sewers.

FRANCHISE FOR UTILIZATION OF WATER POWER.

Porto Rico.

Whereas, the Executive Council of the Island of Porto Rico is desirous of granting a franchise or concession for the development of a certain water power known as the "Comerio Falls," situated on the La Plata River, approximately 17 miles, in a direct line, from the City of San Juan, and at an elevation of about 85 meters above sea level, which falls are estimated to be able to develop about 1,000 horse-power as a minimum, and at times more, depending on local rains;

Therefore, the said Executive Council will receive bids or proposals from all persons desiring the above mentioned franchise, up to ten o'clock a. m., December 2d, 1905, at which time such bids or proposals will be opened and examined. All bids or proposals must state clearly the use for which the water power is sought, and must be accompanied by plans and specifications with details sufficient to show the general engineering features of the work. Each bid must be accompanied by a certified check for $2,500.00, payable to the order of the Treasurer of Porto Rico, as a guarantee that the franchise will be accepted if granted. Said checks will be at once returned to the unsuccessful bidders, and the check of the successful bidder will be returned when the franchise is duly accepted.

Bids should be signed by the bidder with full name and address, and must be enclosed, with the plans and specifications, in a sealed package marked: "Bids, plans and specifications for the utilization of the Comerio Water Power," and be addressed to the "Chief Clerk of the Executive Council, San Juan, Porto Rico."

Each applicant is expected to specify in his bid the annual cash royalty he will pay to the Insular Government for the franchise

The work of installation must be started within sixty days after the signing of the franchise by the President of the United States, and at least one-third of the total installation completed by the end of the first year, and the remainder of the work be finished at the end of the second year.

A bond of not less than ten thousand dollars, in cash or approved evidences of credit, must be deposited by the successful bidder as a guarantee of the completion of the work, and this bond will be forfeited to the Insular Government if any of the required portions of the work are not completed within the period stipulated.

Bidders may obtain surface and underground rights-of-way for electric and water companies operating in San Juan by complying with the local laws.

The Executive Council reserves for the Insular Government the right to use 200 cubic feet of water per minute, to be taken from a point above the crest of the falls. It is roughly estimated that such an abstraction will diminish the power of the falls only about 1-15 when the water is at its lowest stage.

Applicants are further informed that the lands bordering on the stream at the falls are in the hands of private owners, and possession of such lands will have to be secured by private arrangement with the owners, or the same may be condemned under the law of eminent domain.

The Executive Council reserves the right to reject any and all bids, also, after opening the bids, to treat and bargain with any bidder so as to secure a more desirable arrangement.

Bidders are advised that they themselves must secure accurate information concerning the size of this water power, distances and other factors bearing on its potentialities and that the figures above given are but estimates.

For further information apply to the Clerk of the Executive Council, San Juan, Porto Rico.

RETAINING WALLS.

Hartford, Conn.

Bids on rubble granite walls, about 5,000 cu. yds., will be received on September 19, 1905, at 12 o'clock, noon, at the Office of the Bridge Commission, 650 Main St., Hartford, Connecticut. Plans and specifications can be examined at the above office, and blank proposals secured. Bidders must examine the site and consult the engineer in regard to conditions governing construction. Certified check for $3,000 must be handed in with each bid.

CONN. RIVER BRIDGE & HIGHWAY DISTRICT,

By EDWIN D. GRAVES, Chief Engr.

9-2t

NOTICE TO CONTRACTORS.

STATE OF NEW HAMPSHIRE.
Highway Department.
Office of State Engineer, Rumford Press Building.

Concord, N. H., Sept. 11, 1905.

Sealed proposals will be received at this office until 5 o'clock p. m. on the 26th day of September, 1905, for the construction of a section of State road in the town of Rye. Specifications and plans may be seen at this office, and also at the office of Alfred F. Howard, in the city of Portsmouth, N. H.

The following are the quantities upon which basis the contract will be awarded:

Item 1. 2,700 cubic yards of excavation.
Item 2. 2,500 cubic yards of borrowed material from outside of the location.
Item 3. 300 cubic yards of ledge excavation.
Item 4. 10 cubic yards of cement concrete.
Item 5. 2,550 cubic yards of gravel.
Item 6. 860 cubic yards of screened gravel.
Item 7. 90 lineal feet of 12-inch vitrified clay pipe.
Item 8. 30 lineal feet of 12-inch iron water pipe.
Item 9. 100 lineal feet of fencing.
Item 10. 25 stone monuments to be delivered and set.

All proposals must be placed in sealed envelopes, endorsed "Proposal for Construction of State Road in the Town of Rye," and addressed and delivered to the State Engineer not later than the date and time above named.

All proposals must be made on forms furnished by the State Engineer, and no proposal will be considered unless the price is named for each item on proposal.

Each proposal must be accompanied by a certified check in the sum of two hundred and fifty dollars ($250) payable to "Treasurer of State of New Hampshire," which check shall become the property of the State of New Hampshire if the party making the proposal shall fail to appear and sign the contract within six days after he shall have received notice that the contract has been awarded to him; otherwise it shall be returned to the bidder. Said check shall not be enclosed with the proposal, but shall be delivered under separate cover to the State Engineer, who will give proper voucher for its receipt.

Proposals will be opened by the Governor and Council at the next meeting succeeding the time above named, and the right is reserved by them to reject any or all proposals.

A. W. DEAN,
11-2t State Engineer

INTERCEPTING SEWER AND PUMPING STATION.

Office of Board of Public Works,
Salt Lake City, Utah, Sept. 7, 1905.

Sealed proposals will be received at this office until 3 P. M., Wednesday, October 4, 1905, for constructing the Intercepting Sewer and Pumping Station, Salt Lake City, and at that time and place will be publicly opened and read.

The approximate quantities are as follows:

Earth Excavation for Sewer	48,000 cu. yds
Earth Excavation for Pumping Station	1,100 cu. yds
30" x 45" Concrete Sewer	5,500 lin. ft.
27" x 42" Concrete Sewer	4,700 " "
18" Brick Sewer	3,100 " "
15" Vitrified Pipe Sewer	4,700 " "
12" Vitrified Pipe Sewer	3,900 " "
6" Vitrified Pipe Subdrain	6,500 " "
Wood Subdrain	15 M.
Portland Cement Concrete in Pumping Station	350 cu. yds.
Brick Masonry	400 cu. yds.
Setting Iron and Steel	20,000 lbs.
Setting Steel Reinforcement	175,000 lbs.
Gravel Filling	100 cu. yds
Piling in Sewer Trench	1,000 lin. ft.
Lumber in Sewer Foundation	1 M.

Instructions to bidders, together with specifications and forms for contract and bond can be obtained upon application at the office of the Board of Public Works or City Engineer.

The right is reserved to reject any and all bids.

By order of the Board of Public Works.

E. A. WALL,
Chairman.

GEO. W. RITER,
City Engineer. 11-3t

Plans and specifications are on file at the offices of Engineering News, 220 Broadway, New York, and Monadnock Bldg., Chicago, Ill.

WATER PURIFICATION WORKS.

Toledo, O.

Sealed proposals will be received at the office of the Board of Public Service, Toledo, Ohio, until twelve o'clock noon of the 10th day of October, 1905, and then publicly opened and read, for the construction of the Water Purification Works, being Contract Number 4 of the Improvement of Water Supply.

The work to be done includes the construction of all basins, buildings, piping and appurtenances for a system of water purification capable of purifying thirty million gallons net of Maumee River water per day, except that only sufficient filters and filter house for twenty million gallons will be required. Bids will be received based on the plans prepared under the direction of the Board of Public Service, or on alternative plans prepared by the bidder.

Payment will be made as stipulated in the form of contract for the performance of the above work, and which form of contract is on file in the office of the Board of Public Service.

Copies of the Plans, Proposal forms, Specifications and form of Bonds and Contract can be seen at the office of the Chief Engineer, Valentine Building, Toledo, Ohio, or at the office of the Consulting Engineer, Chas. L. Parmelee, 136 Liberty St., New York.

Copies of the Specifications will be furnished by the Chief Engineer on payment of Two Dollars ($2.00) for each copy. The cost of Specifications used in bidding will be returned to the bidders. Sets of the plans can be obtained on application to the Chief Engineer and deposit of One Hundred Dollars ($100.00) which will be returned on return of the plans in good order on or before October 12th, 1905.

Each proposal or bid must contain the full name of every person or company interested in the same, and shall be accompanied by a bond, executed by the bidder and a Surety Company satisfactory to the Board of Public Service, on a form marked "A" and attached to the form of proposal, in the sum of ten (10) per centum of the amount of the proposal or bid; or the bidder may deposit with the Board of Public Service, in lieu of such bond, a certified check on a solvent bank in the City of Toledo, Ohio, payable to the order of the Board of Public Service, equal in amount to the amount required in such bond.

Said bond or certified check is required as a guarantee that if the bid is accepted a contract will be entered into and the performance of it properly secured.

The contract bond will be fifty (50) per centum of the amount of the contract.

Labor and material bid for must be separately stated, with the price thereof.

Bidders must furnish satisfactory evidence of their experience and ability to construct work of the character required.

Bidders must use printed forms, as none other will be received.

The Board of Public Service reserves the right to reject any and all bids or to accept any bid which it may deem advantageous to the City of Toledo.

By direction of the Board of Public Service,

JOHN STOLLBERG,
President.

Attest:
HARRY JONES,
Secretary. 11-4t

SEWER SYSTEM.

Cape Girardeau, Mo., Sept. 8, 1905.

Sealed proposals for furnishing material and constructing a complete System of Sewerage in Sewer District Number One, City of Cape Girardeau, in accordance with the plans and specifications and ordinance No 709 of said city, providing for constructing said system, will be received by the City Council of the City of Cape Girardeau, Missouri, until 12 o'clock M., Monday, October 16th, 1905.

The work comprises about twelve miles of pipe sewers, eight to twenty-two inches in diameter, together with all necessary appurtenances.

Plans and specifications are now on file with the City Clerk at Cape Girardeau, Mo., and at the office of the engineer, Nashville, Tenn.

Printed specifications may be obtained by addressing Geo. E. Chappell, City Clerk, Cape Girardeau, Mo.

Certified checks for $500.00 will be required with bids on sewer pipe; and the same amount with bids on construction work.

The right is reserved to reject any and all bids.

WILLIAM H. COERVER, Mayor.
GEO. E. CHAPPELL, City Clerk.
GRANBERY JACKSON, C. E., Engineer,
11-2t Nashville, Tenn.

PURCHASE OF BOILER, FEED WATER HEATER, PUMP, ETC.

Floresville, Tex.

Bids will be received and opened at 1 P. M. Sept. 28th, 1905, for the purchase of one 40-HP. return tubular boiler, one feed water heater, one fire underwriters pump, one air compressor, cast-iron pipe and specials and ten fire hydrants.

Specifications covering different items can be had of H. C. Thompson, City Secretary, Floresville, Texas, or M. Griffin O'Neil, engineer, Dallas, Texas.

All bids to be addressed to the Mayor of Floresville, Texas.

The right reserved to reject any or all bids.

11-2t

HOTEL BUILDING.

Monmouth, Ill.

Sealed proposals will be received by the Monmouth Hotel Company, Monmouth, Illinois, until 12 o'clock noon on the 25th day of September, 1905, for the erection (not including heating and plumbing), of a 56-room hotel building, according to plans and specifications prepared by Herbert Edmund Hewitt, Architect, 22 Arcade Building, Peoria, Illinois.

Each proposal must be accompanied by a certified check for $2,000.00 made payable to the Monmouth Hotel Company. The check of the successful bidder is to be forfeited to the Hotel Company in case he fails to enter into contract for said work within ten days from date of acceptance

Proposals are desired on the complete general contract as called for by the plans and specifications, not including heating and plumbing. A bond for one-half the amount of the contract price will be required of the successful bidder.

Plans and specifications may be seen at the office of Mr. J. D. Diffenbaugh, Monmouth, Illinois, or at the office of Herbert Edmund Hewitt, Architect, 22 Arcade Building, Peoria, Illinois, on and after September 12th, 1905.

The Monmouth Hotel Company reserves the right to reject any or all proposals. Proposals must be sealed and marked on the outside, "Proposals for Hotel Building for Monmouth Hotel Company," and should be addressed to Mr. J. D. Diffenbaugh, Monmouth, Illinois. 11-1t

STREET IMPROVEMENTS.

Oakmont, Pa.

Sealed proposals will be received by the Council of Oakmont Borough until 12 o'clock noon of Wednesday, the 20th day of September, 1905, for the grading, curbing and paving of West "B" Street from West Railroad Avenue to the Allegheny River; East "B" Street from Oakmont Avenue to Tenth Street; "E" Street from Oakmont Avenue to the easterly Borough line, and "H" Street from Oakmont Avenue to the easterly borough line.

Approximate quantities are: Grading, 35,000 cu. yds. Curbing, 26,000 lin. ft. Paving, 15,000 sq. yds. Certified check for two per cent. of proposal, based on above estimate, must accompany each proposal. Address all proposals to George S. Stoup, Clerk, Oakmont, Pa. Mark the outside of each envelope, "Proposal for Street Improvements."

Plans, specifications and blank bidding forms may be obtained at the Borough Engineer's office. Council reserves the right to reject any or all bids.

R. M. DOUGLASS,
Borough Engineer,
11-1t 515 Times Building, Pittsburgh, Pa.

SITUATIONS OPEN

WANTED.—Man with technical training, practical engineering experience, energy and push; competent to design, make working drawings for engineering work; commensurate salary for proved ability. Address, stating age, experience, now soon available, references and salary expected, "D. B. 11," Engineering News, New York. 11-3t

WANTED.—Stenographer for an engineer's office in New York City; a bright young man with quick perception, willing to begin at the bottom and work up preferred; applicant must arrange for interview; state age, experience, references and salary expected. Address "C. B. 11," Engineering News, New York. 11-3t

WANTED.—Experienced structural draftsman for steel work for buildings and bridges; also men for estimating weights and quantities from plans. PASSAIC STEEL CO., Paterson, N. J. 11-3t

INSTRUCTOR WANTED in civil engineering course requiring part of day; college in N. Y. City; applicant should be graduate with practical experience; state qualifications. Address "B. B. 11," Engineering News, New York. 11-1t

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 90, 91, 92.

WATER MAINS.

Sealed proposals will be received by the Water Board of the City of Portland, Oregon, until 3 P. M., October 11, 1905, for furnishing materials and labor for the construction of a high service main from Reservoir No. 1, Mount Tabor, to a connection with present mains at Killingsworth Avenue and Commercial Streets, a total approximate distance of 39,500 lineal feet.

Separate proposals will be received as follows, viz.:

(a) For furnishing the steel plates and rivets required for 31,000 lin. feet steel riveted pipe—24 inches inside diameter, approximate weight—2,300,000 pounds. All to be delivered f. o. b. cars Portland, Oregon, beginning within sixty days after date of order and continuing at the rate of 400 tons per month until completed.

(b) For manufacturing and laying 31,000 lin. feet steel riveted pipe and specials, and completing same on or before July 1, 1906. Pipe to be 24 inches inside diameter. Steel plates and rivets to be furnished by the Water Board f. o. b. cars Portland, Oregon.

(c) For furnishing materials and labor required for the construction of 31,000 lineal feet 24-inch steel riveted water main, in place; the entire work to be completed on or before July 1, 1906.

(d) For furnishing labor and laying 31,000 lineal feet 24-inch cast-iron pipe and specials.

(e) For furnishing labor and laying 5,400 lin. feet 20-inch cast-iron pipe and specials, and 2,500 lin. feet of 16-inch cast-iron pipe and specials.

Cast-iron pipes, special castings and valves to be furnished by the Water Board f. o. b. cars Portland, Oregon. The entire work to be completed on or before July 1, 1906.

Specifications and form of proposal can be obtained at the office of D. D. Clarke, Engineer of the Water Board, City Hall, Portland, Oregon.

With each proposal must be deposited a certified check for at least five per cent. of the amount of the bid, payable to the order of the Auditor of the City of Portland, Oregon, and bonds to be approved by the Mayor will be required of the successful bidder.

The right is reserved by the Water Board to reject any or all bids, or to accept any one or more of the proposals submitted by any bidder.

Proposals must be enclosed in an envelope, endorsed on the outside "Proposals for Water Mains," and addressed to the undersigned.

By order of the Water Board,

FRANK T. DODGE,
Superintendent.

11-1t 13-1t

Portland, Oregon, September 1, 1905.

U. S. ENGINEER OFFICE, Room C 5, Army Building, 39 Whitehall Street, New York City, September 14, 1905.—Sealed proposals for dredging in Woodbridge Creek, N. J., will be received at this office until 12 M., September 29, 1905, and then publicly opened. Specifications, blank forms, and all available information will be furnished on application to this office. W. R. LIVERMORE, Colonel, Corps of Engineers. 11-2t

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FOR SALE

Space under this head is sold at the uniform rate of $1.50 an inch; minimum charge, $1.50 a week . . .

FOR SALE.

Two Sets of Mosser Crushing Rolls

30-in. diameter by 16 in. face. Each set supplied with two 66 x 12-in. Wood Rim Iron Hub Pulleys. The same for crushing cement, clinker, rock, or any similar substance.

One Set of Porcupine Rolls

for Reducing Coal, as manufactured by the Tamaqua Iron Co., Tamaqua, Pa.

Great Northern Portland Cement Co.
Marlborough, Mich. 8-4t

RAILS

40, 56, 60, 70, 75, 80, 85 and 90 lb.

RELAYING RAILS

8, 12, 16, 20, 25, 30, 35, 40 and 45 lb.

NEW STEEL RAILS

These rails are in stock at our Pittsburg yards, and can be shipped immediately; also second-hand rails in stock cut any length needed for building and contract work.

RICHARDSON & COMPANY, Inc.
1215 Westinghouse Building
Pittsburg, Pa.
RAIL DEALERS

FOR SALE
See first column for rates

FOR SALE

Two Cableways Complete Locomotives and Cars Three Road Rollers

Cheap, in fine order. Machinery of every description. Telephone, 6095 Cortlandt.

O. R. WHITNEY,
39 Cortlandt St., New York City.

FOR SALE

1,000 Tons First Class 60-lb. Rails, with Angles

Immediate delivery, Central Pennsylvania; all one section; make fine track.

DALLETT & COMPANY
201 Walnut Place, PHILADELPHIA, PA.
tf

FOR SALE FROM STOCK

I BEAMS from 3-in. to 20-in.
CHANNELS from 1¾-in. to 15 in.
ANGLES, both even and uneven leg, from 1-in. to 6-in.
FLATS from 1-in. to 20-in. in width
Will cut to specified length and sell either plain, punched or riveted.
Building and Structural Iron of all descriptions.
BELMONT IRON WORKS, Philadelphia, Pa.
New York Office, 26 Cortlandt St.

FOR SALE.

ONE No. 2 DRAKE PORTABLE CONCRETE MIXER AND ENGINE

Second-hand, in first-class condition

Price, $600

Utica & Mohawk Valley Railway Co.
7-7t UTICA, N. Y.

FOR SALE
See first column for rates

FOR SALE.

2 9 × 14, 30" gage saddle tank Locomotives.
1 16 × 24 passenger type Locomotive, with tender and pilot.

THOMAS CARLIN'S SONS CO.
1600 River Ave., Allegheny, Pa.

FOR SALE.

1 24x48 and One 26x48 Sioux City Corliss Engines.
5 Return Tubular Boilers, Piping and Heater.
2 120 k. w., 125 cycle, a. c. General Electric Generators, with Exciters, Belts, Shafting, Pulleys, etc. Address,

A. M. NIPPER, Supt.
tf Hannibal, Mo.

CRUSHED STONE
FOR SALE
Truck-Load Lots at Crusher.
S. PEARSON SON, Inc.
33D ST. AND 1ST AVE., NEW YORK

Locations for Industries

Erie Railroad System New York to Chicago

The Erie Railroad System's Industrial Department has all the territory traversed by the railroad districted in relation to resources, markets and advantages for manufacturing, and can advise with manufacturers of specific products as to suitable locations, furnishing them with current information of a comprehensive nature, dealing with the project in its full relation to manufacture and commerce. Address

LUIS JACKSON
Industrial Commissioner
Erie Railroad Company

21 Cortlandt Street, New York

"The Power of an Ideal"

SENT FREE ON REQUEST

THE MOODY CORPORATION

35 Nassau Street, New York

Laborers for Contractors

Supplied Promptly and in Any Desired Number by

The Society for Italian Immigrants

The Society will undertake to run labor camps and commissary stores for contractors

The Society can furnish references, among which it would name

THE NEW YORK CONTINENTAL JEWELL FILTRATION CO., NEW YORK CITY

ADDRESS:

THE SOCIETY FOR ITALIAN IMMIGRANTS
17 PEARL STREET, NEW YORK.

MECHANICAL DRAWING AND STRUCTURAL DRAWING

Completely, practically, and quickly taught. Expenses low, including

FREE Books, Drawing Instruments, Lectures and Drawing Paper.

Can we send you a circular?

COLUMBIA CORRESPONDENCE SCHOOL
PERRY BUILDING, PHILADELPHIA, PA.

FOR SALE
See first column for rates

TO LET

The building of about 75 miles of Railroad; also re-laying T-Rail 56 lb. and heavier; also other supplies necessary.

Address "P. A.-11," Engineering News, New York.

Large Air Compressor at A Reasonable Price

Just received, a modern 20 × 20 × 30 Rand, Class "C," Straight Line Compressor, complete, with 48" × 15' air receiver; now refitted ready to ship. Twenty to thirty other sizes constantly in stock.

WICKES BROTHERS
137-139 Liberty Street, New York City

FOR SALE

One 10 x 12 Standard Gauge Baldwin Locomotive.
Two 16 x 24 Standard Gauge American Type Locomotives.
7 x 12 Porter 42-inch Gauge Locomotive and 42-inch Gauge Cars.
One Worthington Compound Duplex Pump, 12 x 18½ x 10¼ x 10.
One 4-inch Centrifugal Pump, brand new
50 Carts and 50 Sets of Cart Harness and Wheel Scrapers.
One Little Giant Special Shovel 1¼-yard Dipper.
80 Tons of 40-lb. Relaying Rails with Plates.

Contractors' Plants for Sale or Rent.

Harper Machinery Company
Park Row Bldg., New York
Yards and Shops, Newark, N. J.

FOR SALE.

One four-wheeled, standard gauge, Switcher. Has just been put in first-class condition. Specifications supplied if requested. Apply to the

American Agricultural Chemical Co.
Room 809, 26 Broadway, New York City.
11-1t

FOR SALE AT A BARGAIN

F. O. B. Erie or O. & W. Cars

Dump Wagons, Carts and Harness
Wheel Scrapers
Three Boilers on Wheels
Four Rand Drills, Double Hoister
Steam Derrick, etc., etc.

Inquire of A. E. GODEFFROY
Godeffroy P. O., Orange Co., N. Y. 11-2

"The groves were God's first temples."

SEPTEMBER IN THE ADIRONDACKS

No finer place in September can be found than the Adirondacks. The air is cool and bracing, the scenery beautiful, and they can be reached in a night from Boston, New York or Niagara Falls. All parts of the Adirondacks are reached by the

NEW YORK CENTRAL LINES

A copy of No. 20 of the "Four-Track Series," "The Adirondacks and How to Reach Them," will be sent free, upon receipt of a two-cent stamp, by George H. Daniels, General Passenger Agent, New York Central & Hudson River Railroad, Grand Central Station, New York.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 90, 91, 92.

Supplement to I

C

CONSTRUCTION NEWS

Plans and Specificati
List of Contracts Pe
Railways .....
Electric Railways .
Light and Power Pl
Bridges .....
Buildings .....
Water Supply and In
Sewerage .....
Garbage Disposal .
Streets and Roads .
Manufacturing Plan
Miscellaneous Contr
U. S. Possessions a
Contract Prices ...
READERS' WANTS ..
INDUSTRIAL NOTES
PROPOSALS .....

CONSTR

PLANS AND SP

The following Plans
ding Sheets (B. S.) ma
gineering News Publish

Bids close Sept.	Work.
23	Dredging..Washin
•27	Pipe sewers..Had
•29	Filters, basins, etc
•30	Water-works..New
Oct.	
•3	Bridge..Natchitoc
•4	Paving..Steelton,
4	Sewer..Salt Lake
•10	Filtration plant..
•11	Water main..Por
•16	Water-works..Ro
16	Sewer s't'm..Cape
Jan.	
•2	Water system..M
•12	Sewer system..M

•Work advertised in

NOTE.—We are desi
bidding sheets (and pl
work for file in our Ne
tractors or others who
more sets than one are
tribute these to cont
the work is advertised
the plans are filed wi
ment without cost.

LIST OF C

Bids close. W

LIGHT, HEA

Sept. 25. Street lightin
Sept. 25. Electric ligh
Advertised, Eng
Sept. 27. Wiring, Balt
Sept. 27. Engine, gene
Sept. 30. Power plant,
Advertised, E
Oct. 4. Lighting sys
Oct. 4. Generators, e
Nov. 1. Generators, e
Advertised, Eng
Nov. 2. Water wheels
Advertised, E
Dec. 2. Water power
Advertised, E

Sept. 23. Concrete arc
Sept. 23. Culvert, Cle
Sept. 25. Bridge, Wash
Advertised, Eng
Sept. 26. Bridge, Ma
Sept. 28. Concrete bri
Sept. 29. Bridges, Sp
Sept. 30. Bridges, Per
Advertised, E
Sept. 30. Bridge, Troy
Oct. 2. Bridges, Per
Oct. 1. Bridge, steel
Oct. 1. Steel bridge
Oct. 2. Bridge, Peor
Oct. 2. Bridges, Gu
Oct. 3. Bridge, Ind
Oct. 3. Bridge, San
Oct. 2. Bridge, Port
Oct. 3. Bridge, Natc
Advertised, E
Oct. 4. Bridge sub
Advertis
Oct. 4. Bridge super
Advertis
Oct. 4. Bridge, Riv
Oct. 6. Bridge, Mid
Advertis
Oct. 7. Bridge, Jeff
Oct. 10. Bridge appr